

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082218\
 Data File : VV007125.D
 Acq On : 22 Aug 2018 16:54
 Operator : SY/MD
 Sample : VSTD00578
 Misc : 5.0 mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 23 07:42:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM082218WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 23 07:39:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	636198	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	578681	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	233670	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	20018	4.25	ug/L	0.00
7) Chloroethane-d5	1.56	69	15317	4.12	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	39125	4.20	ug/L	0.00
21) 2-Butanone-d5	3.95	46	32484	11.15	ug/L	0.00
24) Chloroform-d	4.40	84	45084	5.00	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	26850	4.38	ug/L	0.00
32) Benzene-d6	5.10	84	82918	5.12	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	28182	5.49	ug/L	0.00
41) Toluene-d8	7.36	98	67588	4.42	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	11137	4.51	ug/L	0.00
47) 2-Hexanone-d5	8.14	63	13875	6.50	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	39584	5.42	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	25010	5.03	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	31693	5.667	ug/L 100
3) Chloromethane	1.25	50	43914	8.419	ug/L 98
5) Vinyl chloride	1.32	62	32251	6.145	ug/L 99
6) Bromomethane	1.51	94	8710	3.509	ug/L 99
8) Chloroethane	1.58	64	18269	5.777	ug/L 100
9) Trichlorofluoromethane	1.76	101	40111	5.196	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	24283	5.689	ug/L 98
12) 1,1-Dichloroethene	2.14	96	22916	5.777	ug/L 93
13) Acetone	2.20	43	31404	9.528	ug/L 99
14) Carbon disulfide	2.31	76	73205	7.839	ug/L 98
15) Methyl Acetate	2.46	43	25596	5.215	ug/L 98
16) Methylene chloride	2.53	84	26812	5.945	ug/L 98
17) trans-1,2-Dichloroethene	2.79	96	25374	6.542	ug/L 95
18) Methyl tert-butyl Ether	2.81	73	76328	5.732	ug/L 97
19) 1,1-Dichloroethane	3.23	63	52775	6.626	ug/L 99
20) cis-1,2-Dichloroethene	3.96	96	27716	6.089	ug/L 93
22) 2-Butanone	4.04	43	42020	10.590	ug/L 97
23) Bromochloromethane	4.30	128	14678	6.465	ug/L 95
25) Chloroform	4.43	83	50223	5.942	ug/L 97
27) 1,2-Dichloroethane	5.19	62	37866	5.206	ug/L 100
29) Cyclohexane	4.72	56	36507	5.895	ug/L 98
30) 1,1,1-Trichloroethane	4.66	97	42445	6.174	ug/L 97
31) Carbon tetrachloride	4.88	117	34188	5.820	ug/L 99
33) Benzene	5.15	78	106873	6.430	ug/L 100
34) Trichloroethene	5.96	95	26880	6.345	ug/L 98
35) Methylcyclohexane	6.18	83	36876	5.739	ug/L 99
37) 1,2-Dichloropropane	6.23	63	28684	6.363	ug/L 98
38) Bromodichloromethane	6.56	83	34611	6.046	ug/L 98
39) cis-1,3-Dichloropropene	7.08	75	35088	5.494	ug/L 99
40) 4-Methyl-2-pentanone	7.29	43	62145	9.537	ug/L 97

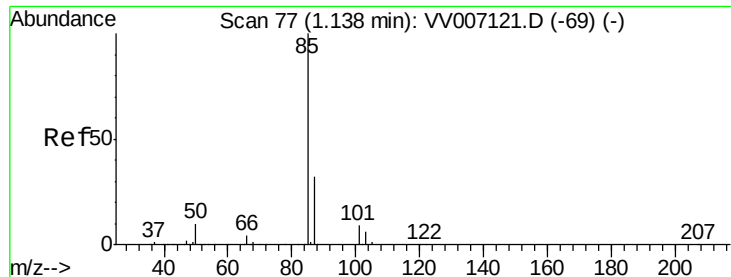
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082218\
 Data File : VV007125.D
 Acq On : 22 Aug 2018 16:54
 Operator : SY/MD
 Sample : VSTD00578
 Misc : 5.0 mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 23 07:42:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM082218WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 23 07:39:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.44	91	93687	5.309	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	32836	5.327	ug/L	96
45) 1,1,2-Trichloroethane	7.89	97	27185	6.329	ug/L	96
46) Tetrachloroethene	8.02	164	20715	6.237	ug/L	97
48) 2-Hexanone	8.20	43	49196	9.136	ug/L	97
49) Dibromochloromethane	8.30	129	25724	5.842	ug/L	92
50) 1,2-Dibromoethane	8.40	107	25966	5.842	ug/L	99
51) Chlorobenzene	8.93	112	67239	5.731	ug/L	98
52) Ethylbenzene	9.06	91	91184	4.676	ug/L	99
53) m,p-Xylene	9.19	106	34349	4.785	ug/L	91
54) o-xylene	9.59	106	32757	4.547	ug/L	94
55) Styrene	9.61	104	51918	4.179	ug/L	98
56) Isopropylbenzene	9.98	105	76956	4.006	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.30	83	45339	6.140	ug/L	96
59) 1,2,3-Trichloropropane	10.33	75	37326	6.247	ug/L	99
61) Bromoform	9.78	173	18374	7.357	ug/L #	98
62) 1,3-Dichlorobenzene	11.23	146	41780	5.761	ug/L	96
63) 1,4-Dichlorobenzene	11.33	146	44377	5.683	ug/L	100
65) 1,2-Dichlorobenzene	11.70	146	45561	5.791	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.49	75	6305	5.095	ug/L	90
67) 1,3,5-Trichlorobenzene	12.70	180	25526	4.918	ug/L	98
68) 1,2,4-trichlorobenzene	13.32	180	13836	3.317	ug/L	98
69) Naphthalene	13.56	128	34546	2.701	ug/L	98
70) 1,2,3-Trichlorobenzene	13.80	180	14412	3.228	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2

Dichlorodifluoromethane

Concen: 5.667 ug/L

RT: 1.14 min Scan# 77

Delta R.T. 0.00 min

Lab File: VV007125.D

Acq: 22 Aug 2018 16:54

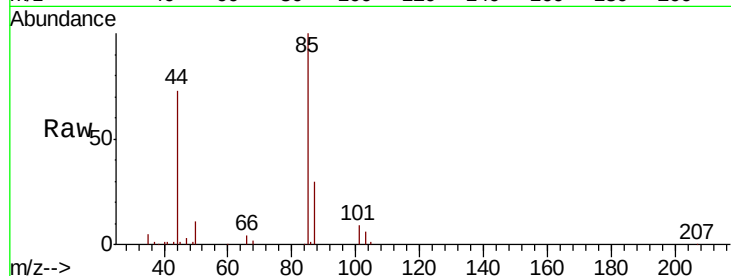
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 31693

Ion Ratio Lower Upper

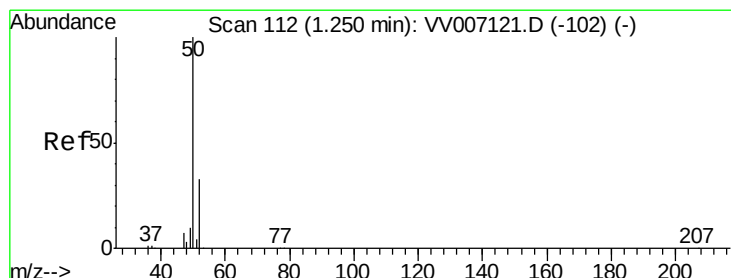
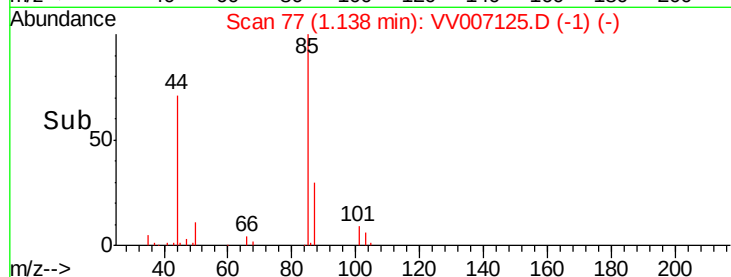
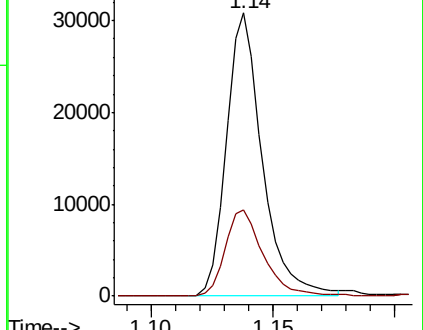
85 100

87 32.2 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV007125.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV007125.D (-1) (-)



#3

Chloromethane

Concen: 8.419 ug/L

RT: 1.25 min Scan# 112

Delta R.T. 0.00 min

Lab File: VV007125.D

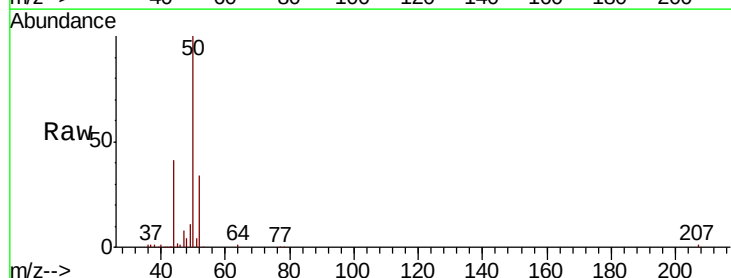
Acq: 22 Aug 2018 16:54

Tgt Ion: 50 Resp: 43914

Ion Ratio Lower Upper

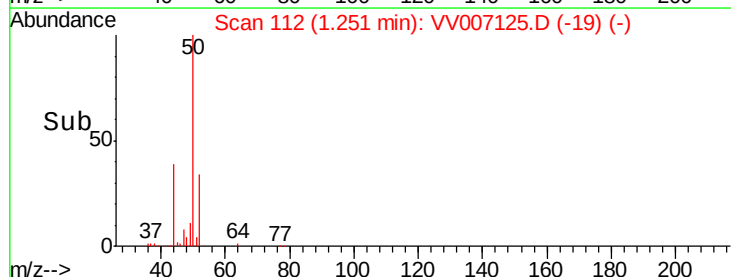
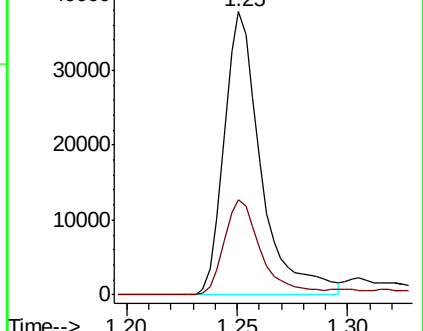
50 100

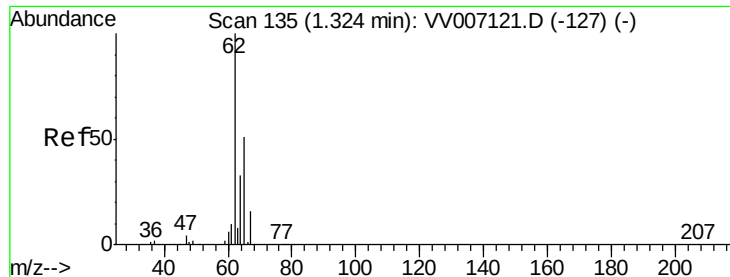
52 33.8 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VV007125.D (-19) (-)

Ion 52.00 (51.70 to 52.70): VV007125.D (-19) (-)





#5

Vinyl chloride

Concen: 6.145 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV007125.D

Acq: 22 Aug 2018 16:54

Instrument :

MSVOA_V

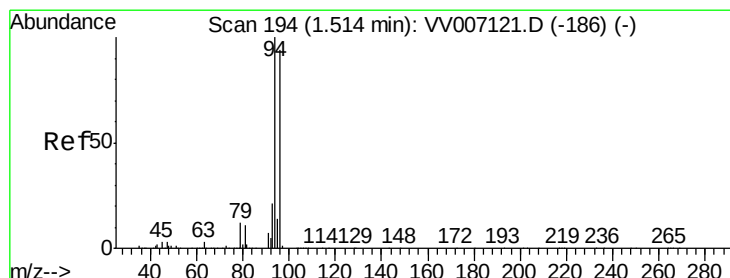
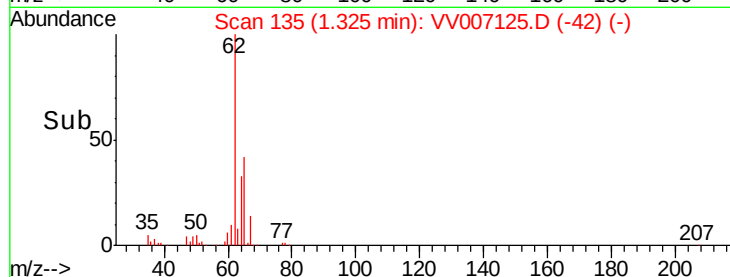
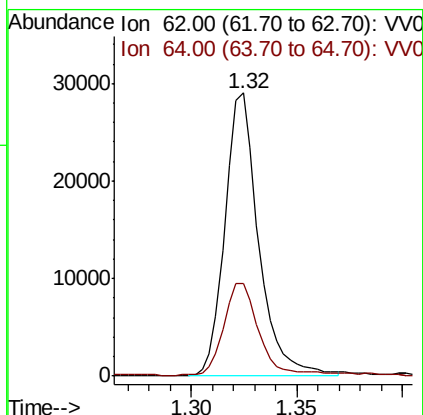
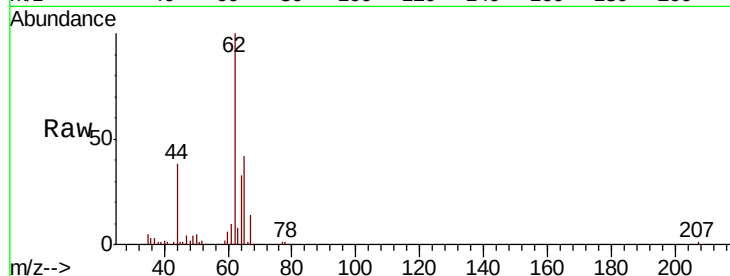
ClientSampleId :

Tot Ion: 62 Resp: 32251

Ion Ratio Lower Upper

62 100

64 32.9 23.4 43.4



#6

Bromomethane

Concen: 3.509 ug/L

RT: 1.51 min Scan# 194

Delta R.T. 0.00 min

Lab File: VV007125.D

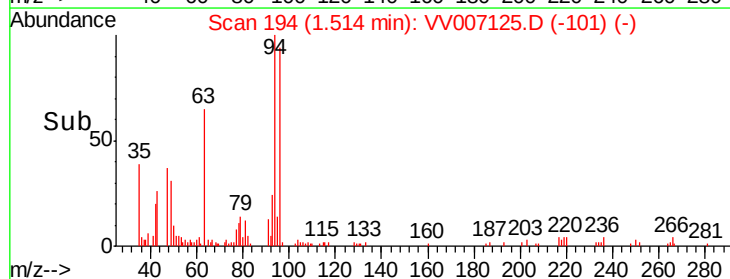
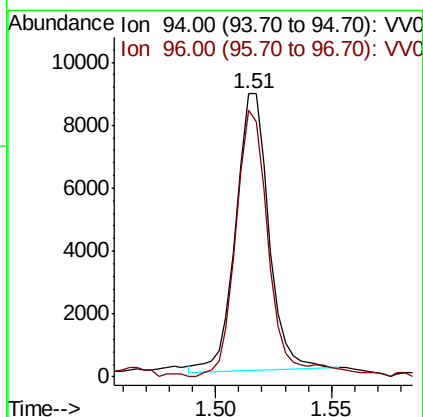
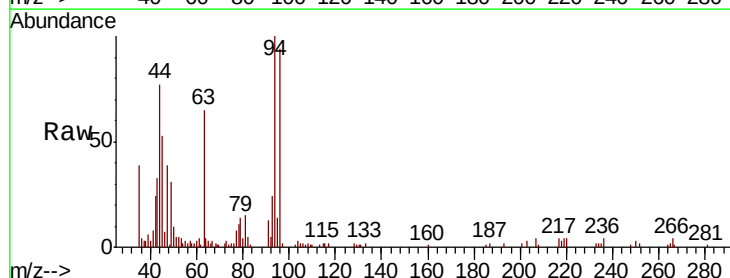
Acq: 22 Aug 2018 16:54

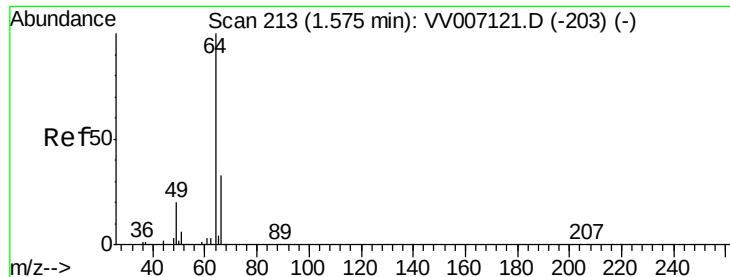
Tgt Ion: 94 Resp: 8710

Ion Ratio Lower Upper

94 100

96 94.0 65.5 121.6

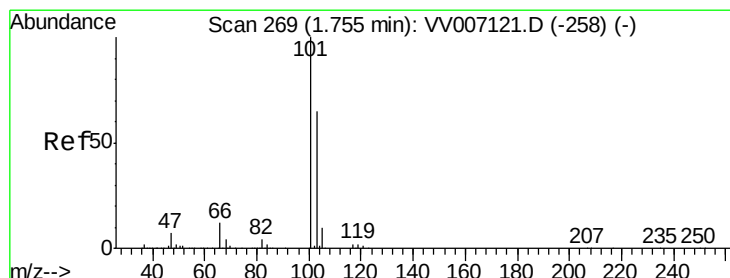
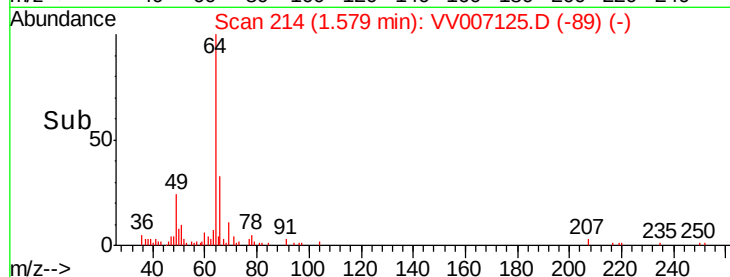
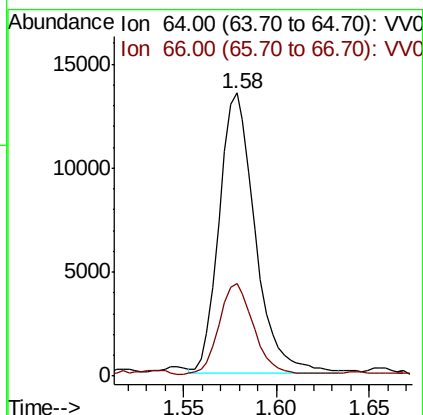
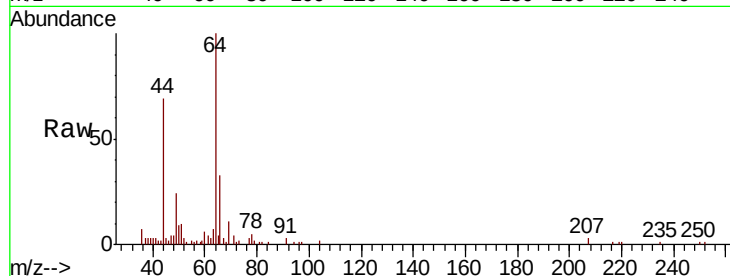




#8
Chloroethane
Concen: 5.777 ug/L
RT: 1.58 min Scan# 214
Delta R.T. 0.00 min
Lab File: VV007125.D
Acq: 22 Aug 2018 16:54

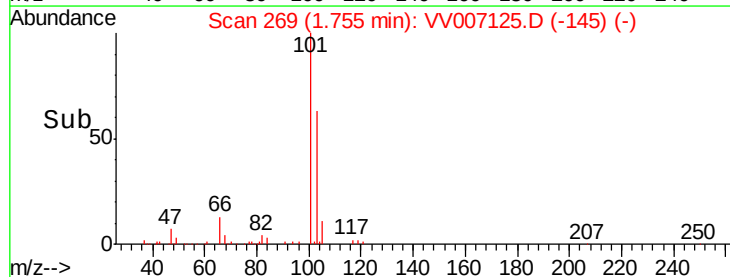
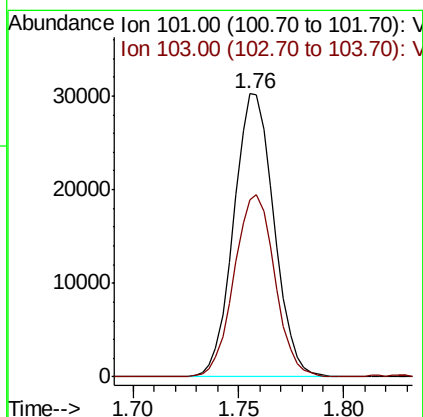
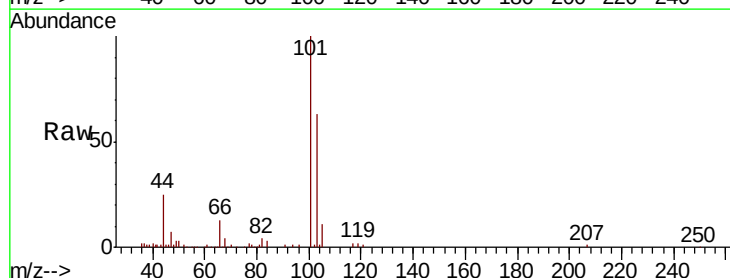
Instrument :
MSVOA_V
ClientSampleId :

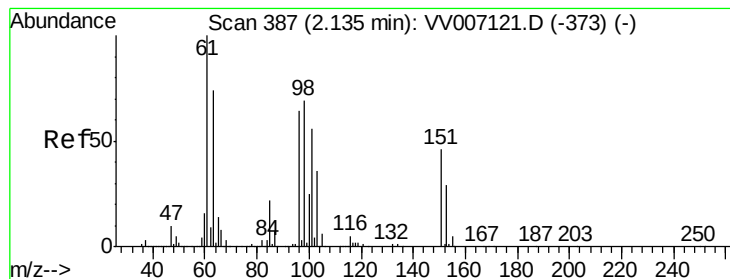
Tot Ion: 64 Resp: 18269
Ion Ratio Lower Upper
64 100
66 32.8 22.8 42.4



#9
Trichlorofluoromethane
Concen: 5.196 ug/L
RT: 1.76 min Scan# 269
Delta R.T. 0.00 min
Lab File: VV007125.D
Acq: 22 Aug 2018 16:54

Tgt Ion:101 Resp: 40111
Ion Ratio Lower Upper
101 100
103 65.0 52.5 78.7





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 5.689 ug/L

RT: 2.13 min Scan# 387

Delta R.T. 0.00 min

Lab File: VV007125.D

Acq: 22 Aug 2018 16:54

Instrument :

MSVOA_V

ClientSampleId :

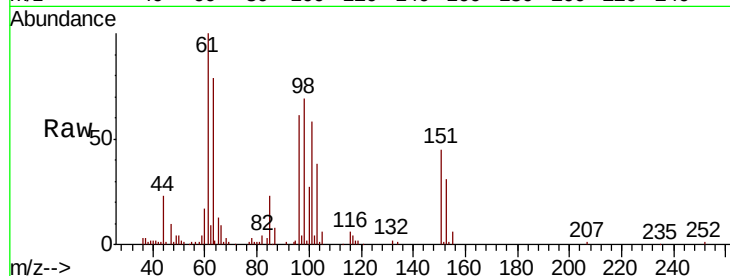
Tot Ion:101 Resp: 24283

Ion Ratio Lower Upper

101 100

85 43.0 32.5 48.7

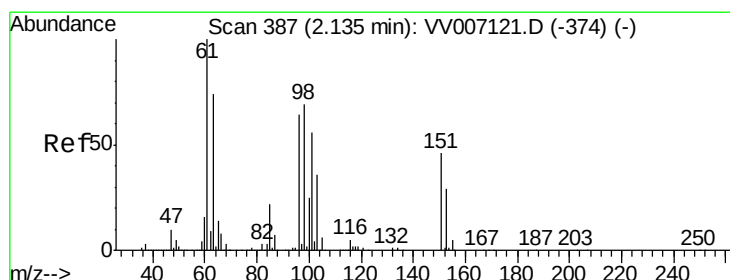
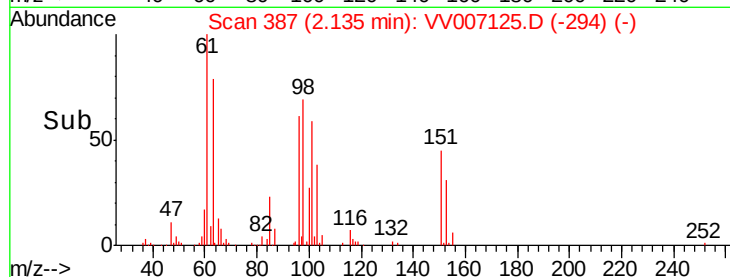
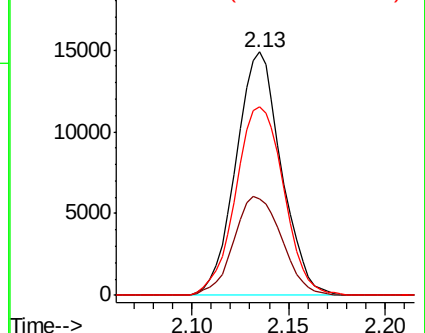
151 82.5 65.2 97.8



Abundance Ion 101.00 (100.70 to 101.70): VV007125.D (-294) (-)

Ion 85.00 (84.70 to 85.70): VV007125.D (-294) (-)

Ion 151.00 (150.70 to 151.70): VV007125.D (-294) (-)



#12

1,1-Dichloroethene

Concen: 5.777 ug/L

RT: 2.14 min Scan# 388

Delta R.T. 0.00 min

Lab File: VV007125.D

Acq: 22 Aug 2018 16:54

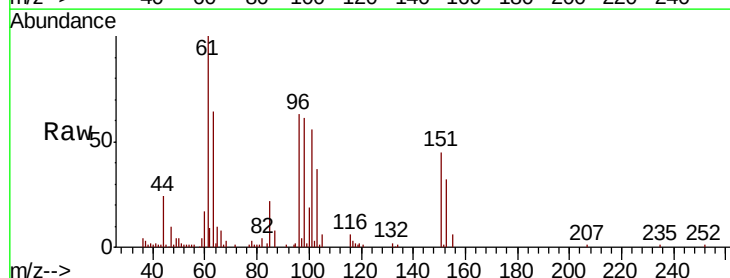
Tgt Ion: 96 Resp: 22916

Ion Ratio Lower Upper

96 100

61 158.7 110.0 204.2

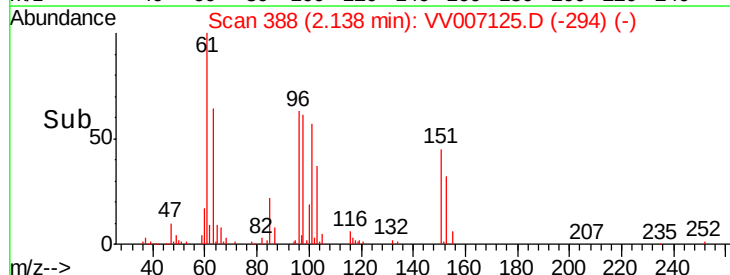
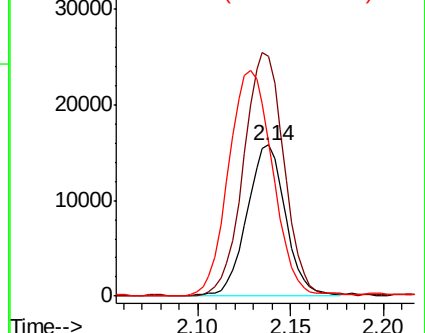
63 101.6 81.8 152.0

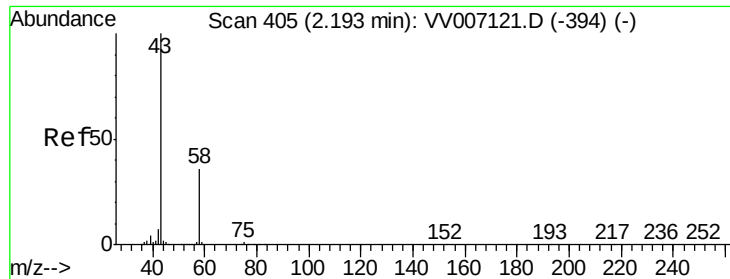


Abundance Ion 96.00 (95.70 to 96.70): VV007125.D (-294) (-)

Ion 61.00 (60.70 to 61.70): VV007125.D (-294) (-)

Ion 63.00 (62.70 to 63.70): VV007125.D (-294) (-)





#13

Acetone

Concen: 9.528 ug/L

RT: 2.20 min Scan# 406

Delta R.T. 0.00 min

Lab File: VV007125.D

Acq: 22 Aug 2018 16:54

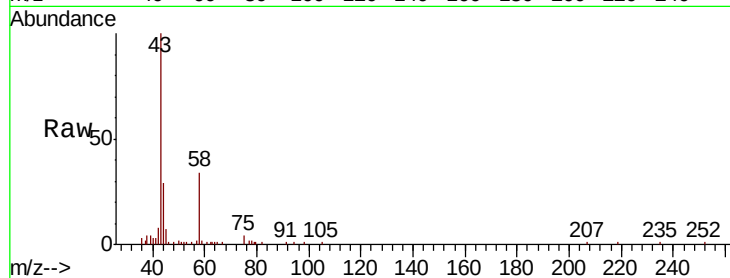
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 31404

Ion Ratio Lower Upper

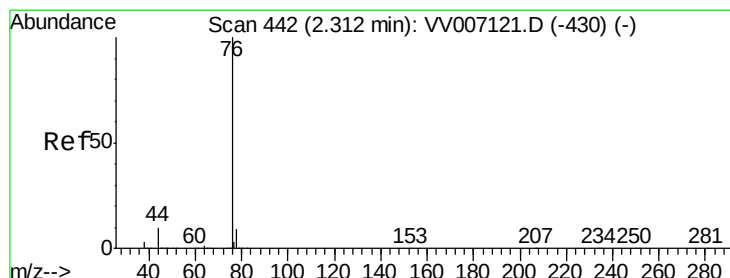
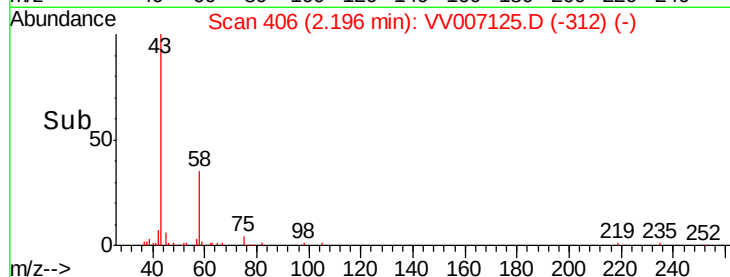
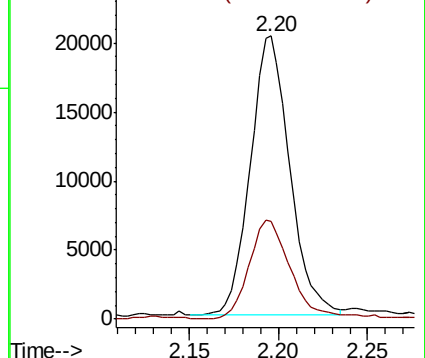
43 100

58 37.4 0.0 73.0



Abundance Ion 43.00 (42.70 to 43.70): VV007125.D (-394) (-)

Ion 58.00 (57.70 to 58.70): VV007125.D (-394) (-)



#14

Carbon disulfide

Concen: 7.839 ug/L

RT: 2.31 min Scan# 443

Delta R.T. 0.00 min

Lab File: VV007125.D

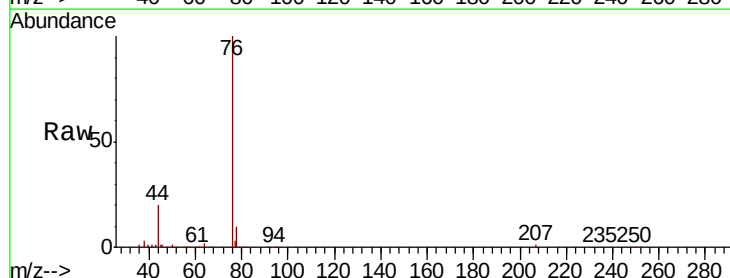
Acq: 22 Aug 2018 16:54

Tgt Ion: 76 Resp: 73205

Ion Ratio Lower Upper

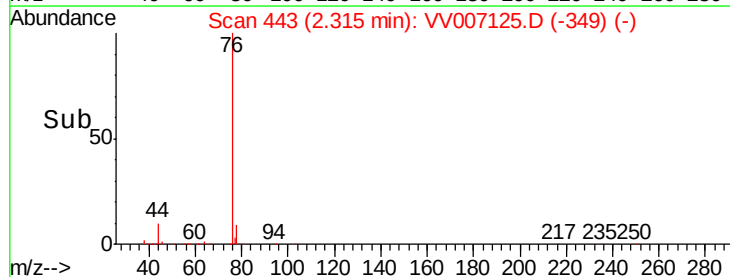
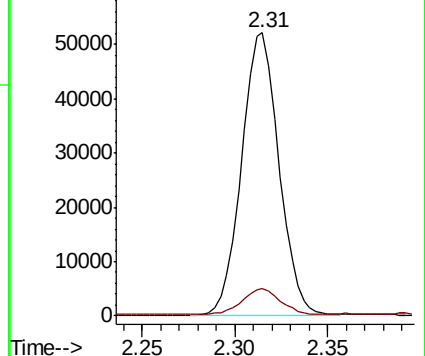
76 100

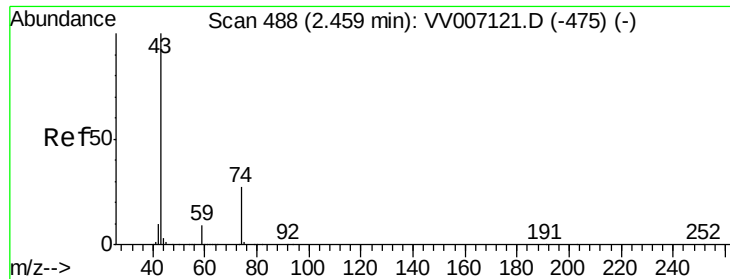
78 9.6 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VV007125.D (-430) (-)

Ion 78.00 (77.70 to 78.70): VV007125.D (-430) (-)

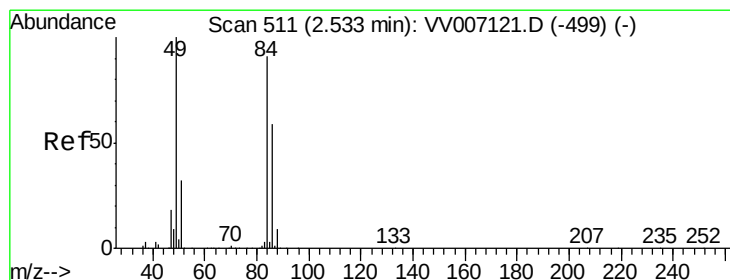
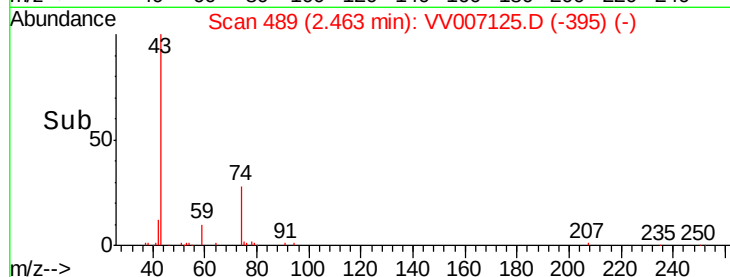
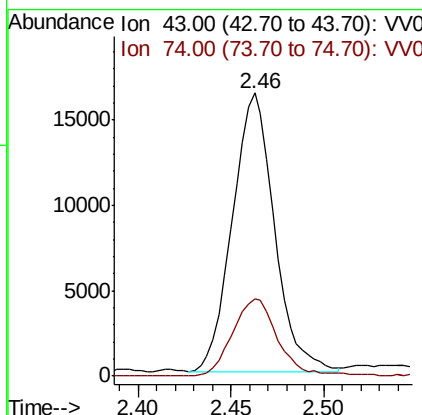
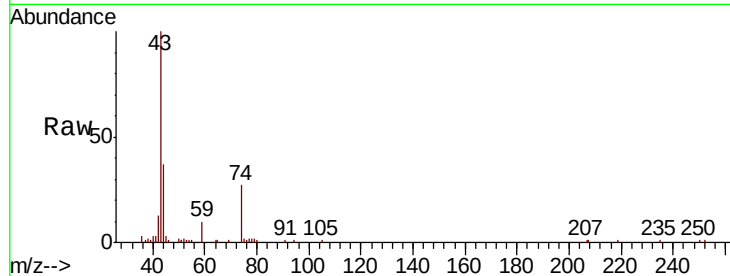




#15
Methvl Acetate
Concen: 5.215 ug/L
RT: 2.46 min Scan# 489
Delta R.T. 0.00 min
Lab File: VV007125.D
Acq: 22 Aug 2018 16:54

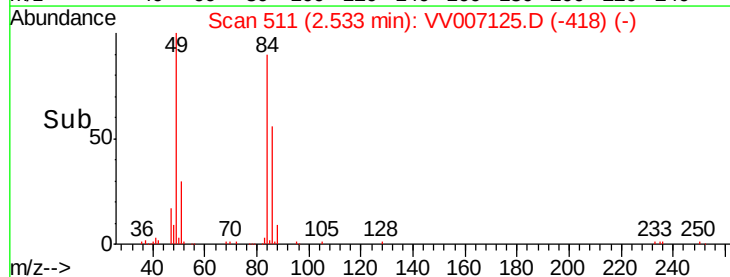
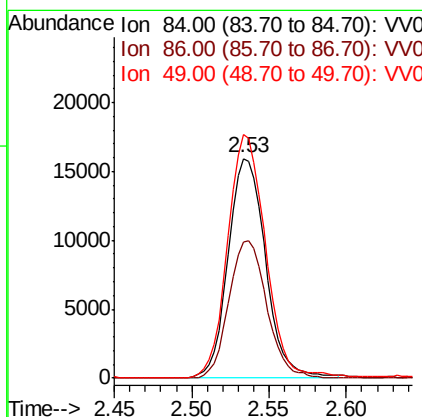
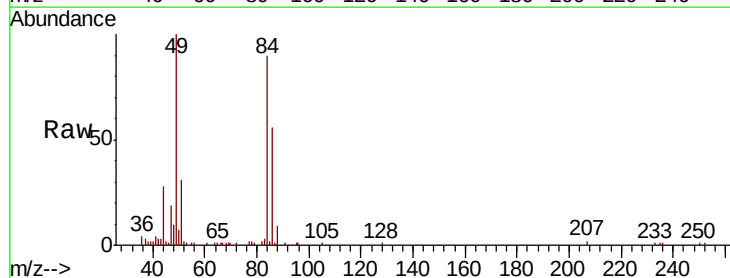
Instrument :
MSVOA_V
ClientSampleId :

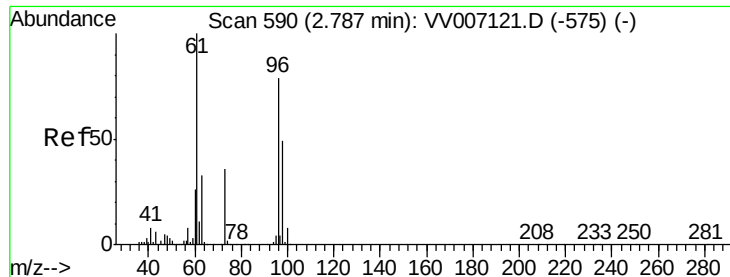
Tot Ion: 43 Resp: 25596
Ion Ratio Lower Upper
43 100
74 28.9 22.2 33.2



#16
Methylene chloride
Concen: 5.945 ug/L
RT: 2.53 min Scan# 511
Delta R.T. 0.00 min
Lab File: VV007125.D
Acq: 22 Aug 2018 16:54

Tgt Ion: 84 Resp: 26812
Ion Ratio Lower Upper
84 100
86 61.7 45.4 84.4
49 110.9 76.7 142.5

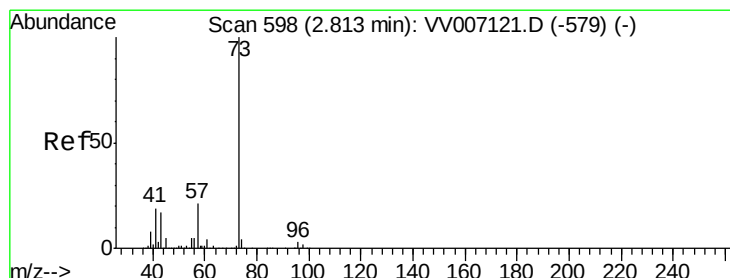
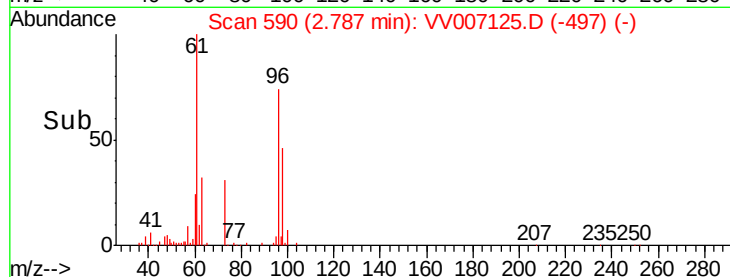
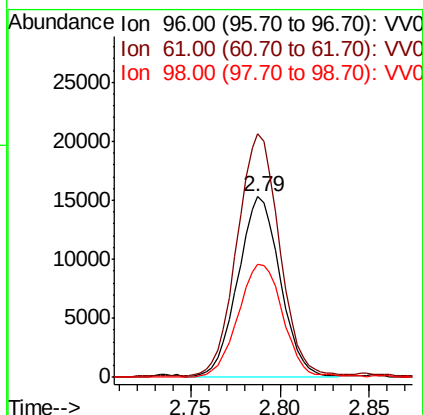
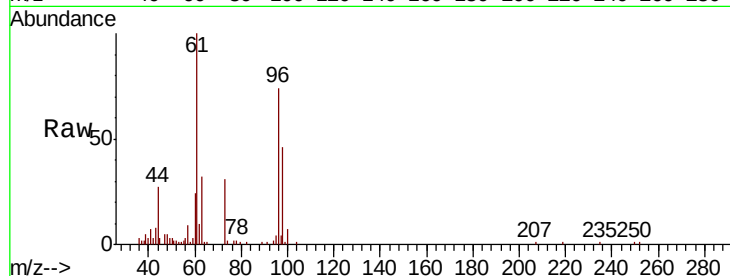




#17
trans-1,2-Dichloroethene
Concen: 6.542 ug/L
RT: 2.79 min Scan# 590
Delta R.T. 0.00 min
Lab File: VV007125.D
Acq: 22 Aug 2018 16:54

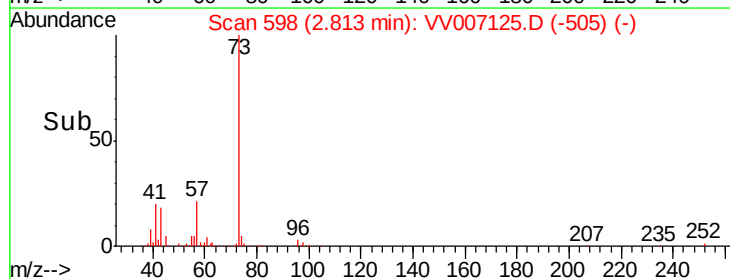
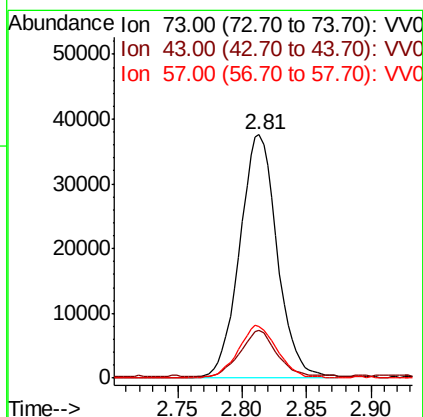
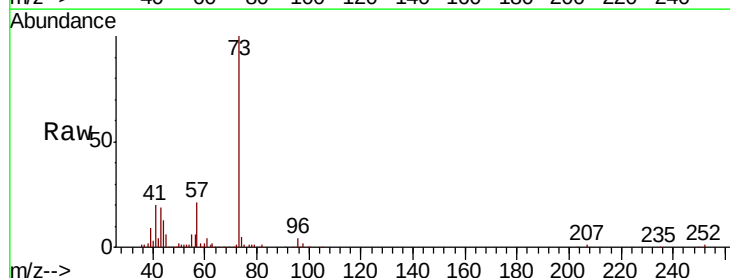
Instrument :
MSVOA_V
ClientSampled :

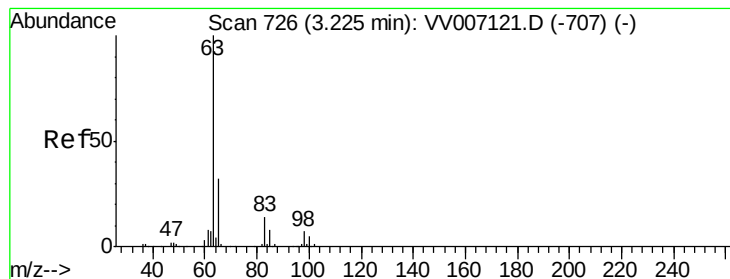
Tot Ion: 96 Resp: 25374
Ion Ratio Lower Upper
96 100
61 134.9 89.1 165.5
98 62.6 43.6 81.0



#18
Methyl tert-butyl Ether
Concen: 5.732 ug/L
RT: 2.81 min Scan# 598
Delta R.T. 0.00 min
Lab File: VV007125.D
Acq: 22 Aug 2018 16:54

Tgt Ion: 73 Resp: 76328
Ion Ratio Lower Upper
73 100
43 18.1 13.6 20.4
57 22.4 16.6 25.0





#19

1,1-Dichloroethane

Concen: 6.626 ug/L

RT: 3.23 min Scan# 727

Delta R.T. 0.00 min

Lab File: VV007125.D

Acq: 22 Aug 2018 16:54

Instrument :

MSVOA_V

ClientSampleId :

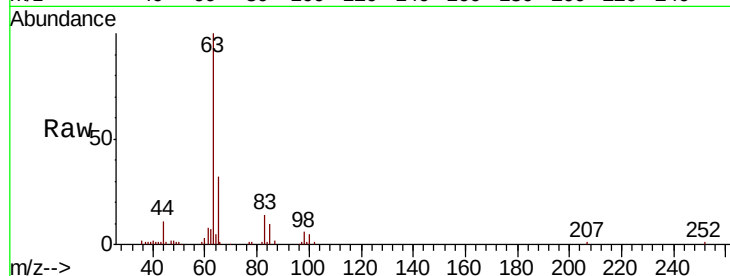
Tot Ion: 63 Resp: 52775

Ion Ratio Lower Upper

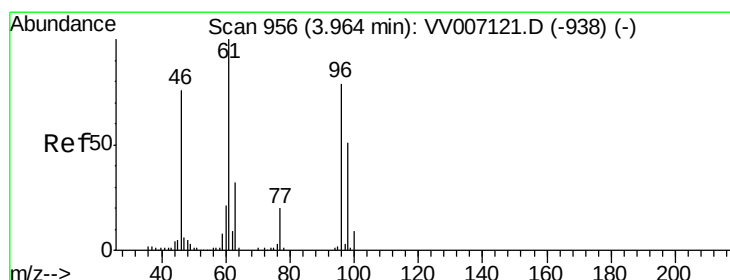
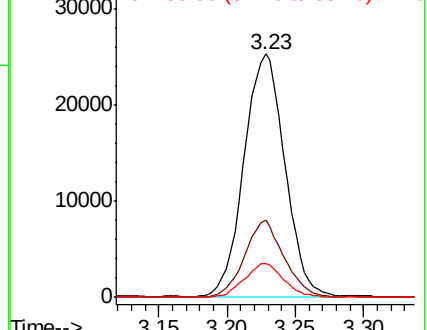
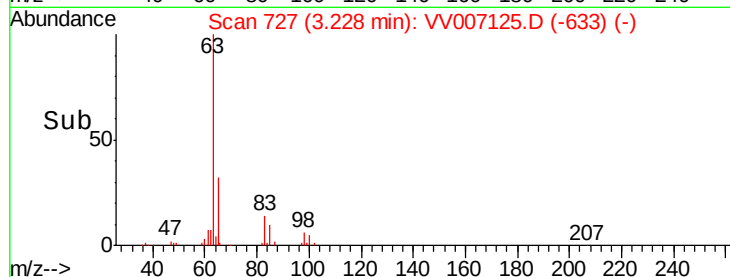
63 100

65 31.5 22.7 42.3

83 13.8 9.4 17.6



Abundance Ion 63.00 (62.70 to 63.70): VV007125.D (-633) (-)



#20

cis-1,2-Dichloroethene

Concen: 6.089 ug/L

RT: 3.96 min Scan# 956

Delta R.T. 0.00 min

Lab File: VV007125.D

Acq: 22 Aug 2018 16:54

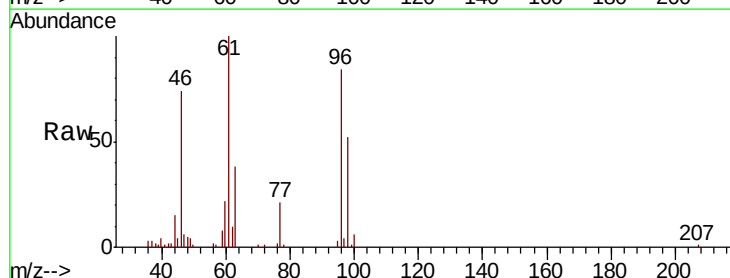
Tgt Ion: 96 Resp: 27716

Ion Ratio Lower Upper

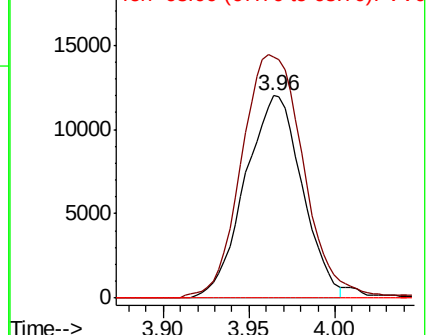
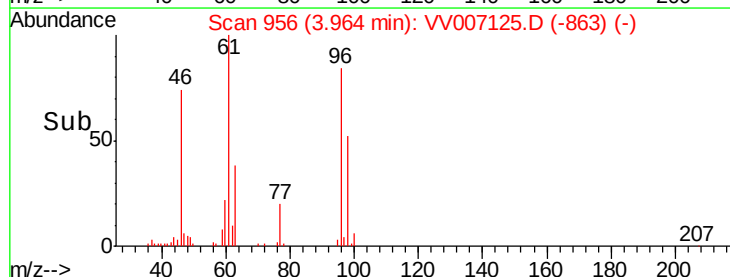
96 100

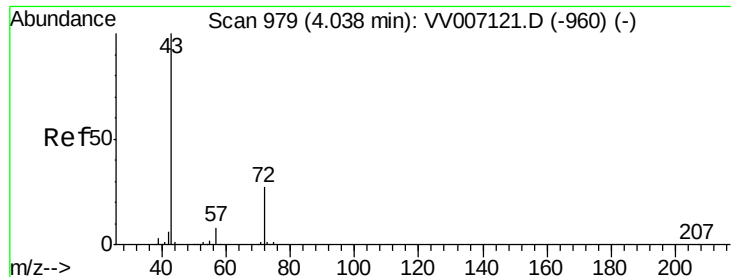
61 119.3 89.0 165.4

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV007125.D (-863) (-)





#22

2-Butanone

Concen: 10.590 ug/L

RT: 4.04 min Scan# 980

Delta R.T. 0.00 min

Lab File: VV007125.D

Acq: 22 Aug 2018 16:54

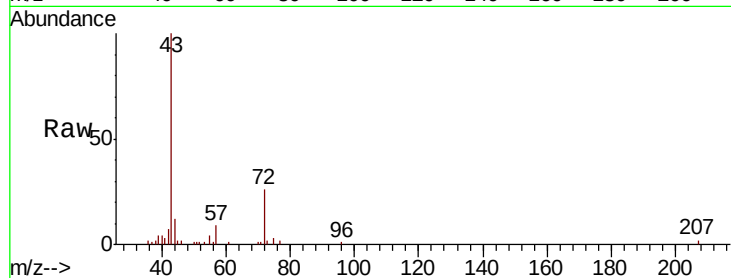
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 42020

Ion Ratio Lower Upper

43 100

72 25.6 13.6 40.8



Abundance Ion 43.00 (42.70 to 43.70): VV007125.D (-980) (-)

Ion 72.00 (71.70 to 72.70): VV007125.D (-980) (-)

4.04

15000

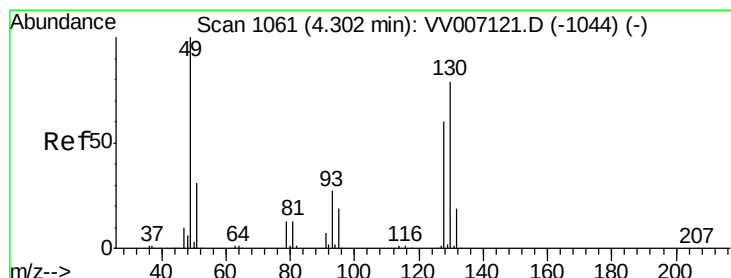
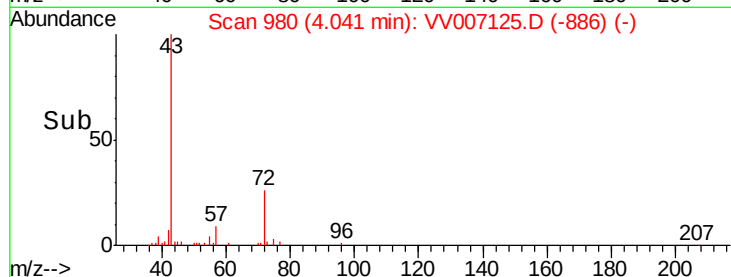
10000

5000

0

Time-->

3.95 4.00 4.05 4.10 4.15



#23

Bromochloromethane

Concen: 6.465 ug/L

RT: 4.30 min Scan# 1060

Delta R.T. -0.00 min

Lab File: VV007125.D

Acq: 22 Aug 2018 16:54

Tgt Ion:128 Resp: 14678

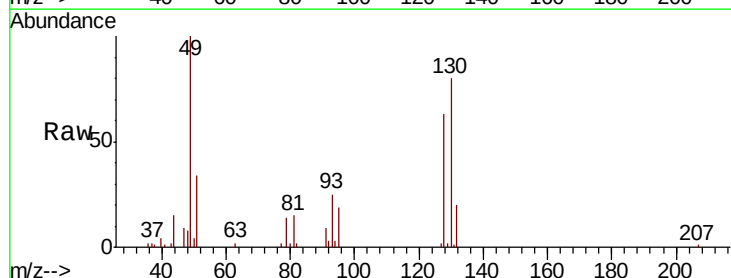
Ion Ratio Lower Upper

128 100

49 158.2 116.4 216.2

130 126.3 91.6 170.2

51 53.1 41.4 62.2



Abundance Ion 128.00 (127.70 to 128.70): VV007125.D (-968) (-)

Ion 49.00 (48.70 to 49.70): VV007125.D (-968) (-)

Ion 130.00 (129.70 to 130.70): VV007125.D (-968) (-)

Ion 51.00 (50.70 to 51.70): VV007125.D (-968) (-)

4.30

15000

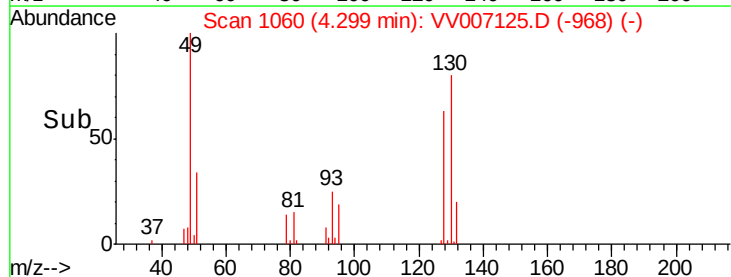
10000

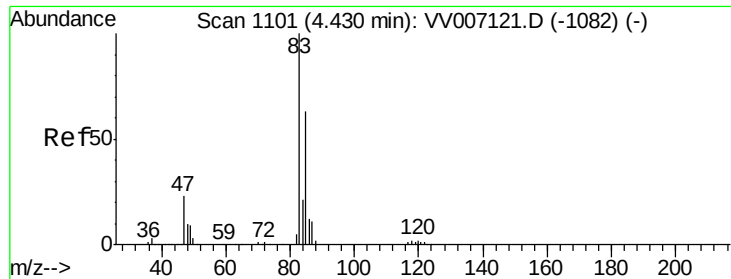
5000

0

Time-->

4.20 4.25 4.30 4.35 4.40

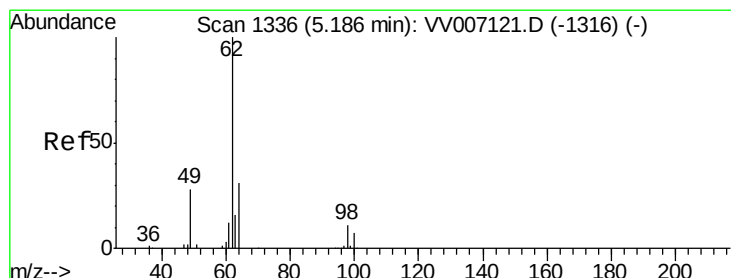
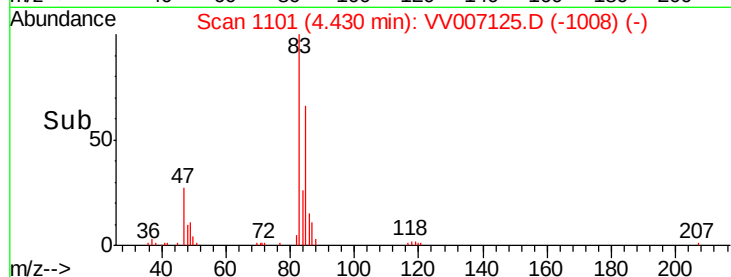
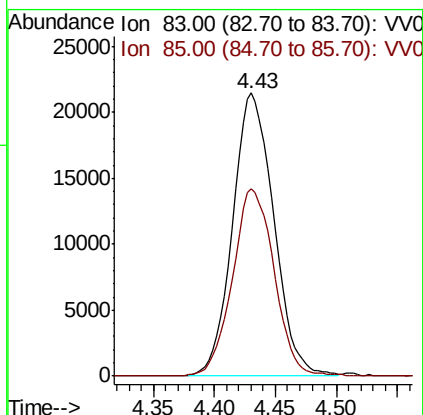
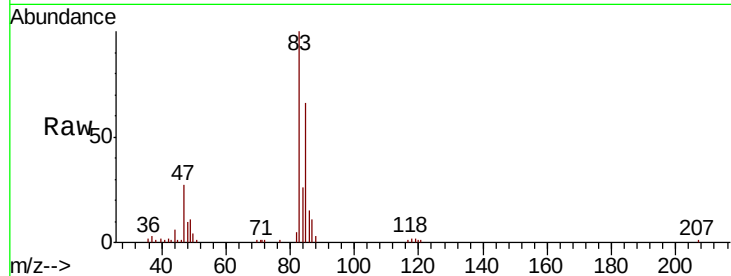




#25
Chloroform
Concen: 5.942 ug/L
RT: 4.43 min Scan# 1101
Delta R.T. 0.00 min
Lab File: VV007125.D
Acq: 22 Aug 2018 16:54

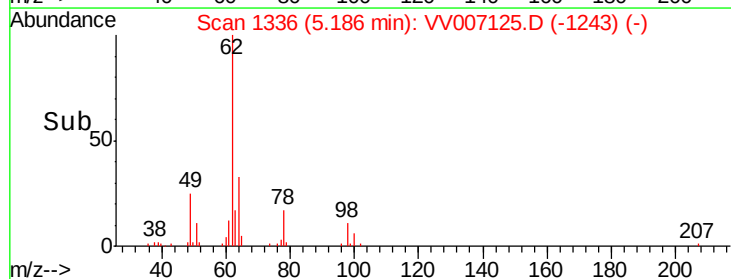
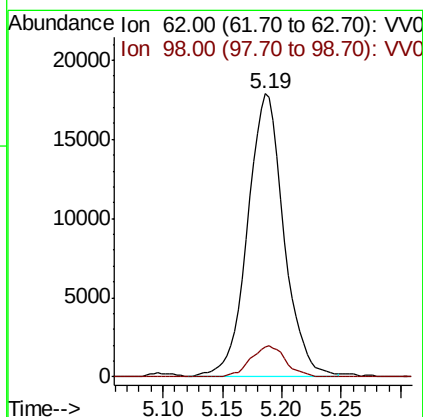
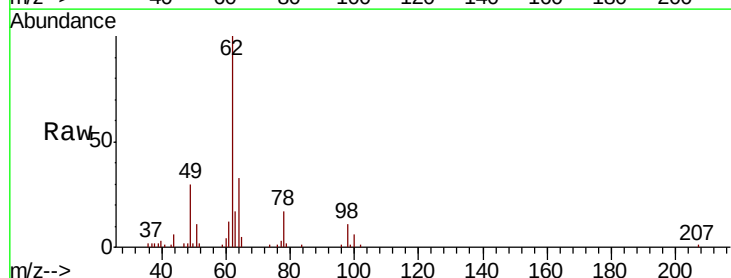
Instrument :
MSVOA_V
ClientSampleId :

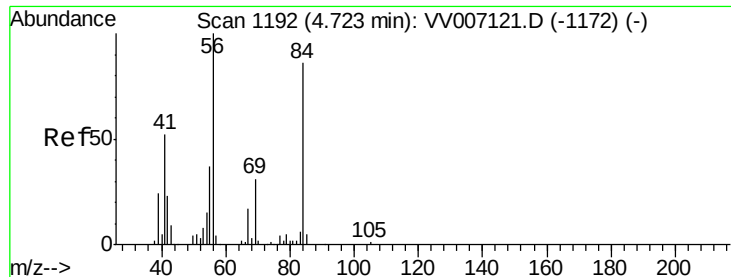
Tot Ion: 83 Resp: 50223
Ion Ratio Lower Upper
83 100
85 66.2 44.4 82.5



#27
1,2-Dichloroethane
Concen: 5.206 ug/L
RT: 5.19 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VV007125.D
Acq: 22 Aug 2018 16:54

Tgt Ion: 62 Resp: 37866
Ion Ratio Lower Upper
62 100
98 10.7 8.7 13.1





#29

Cyclohexane

Concen: 5.895 ug/L

RT: 4.72 min Scan# 1192

Delta R.T. 0.00 min

Lab File: VV007125.D

Acq: 22 Aug 2018 16:54

Instrument :
MSVOA_V
ClientSampleId :

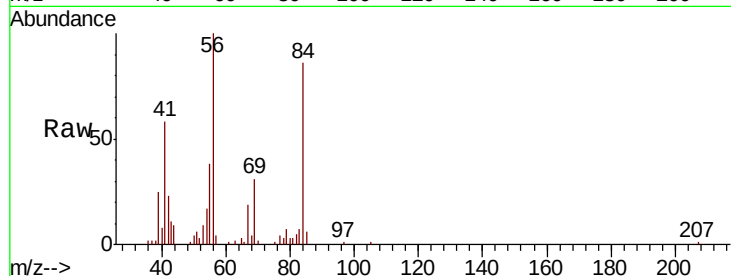
Tot Ion: 56 Resp: 36507

Ion Ratio Lower Upper

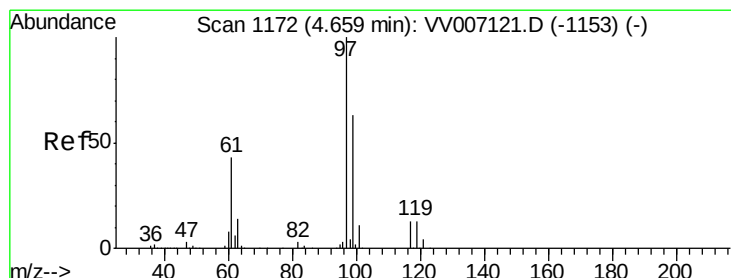
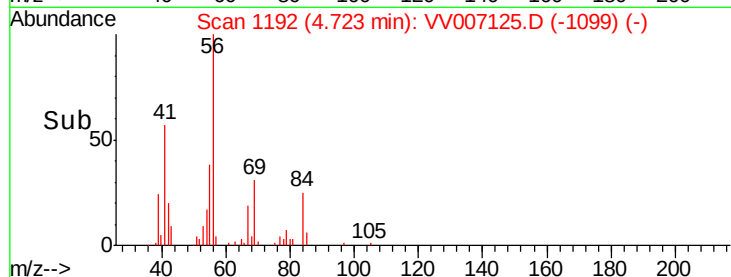
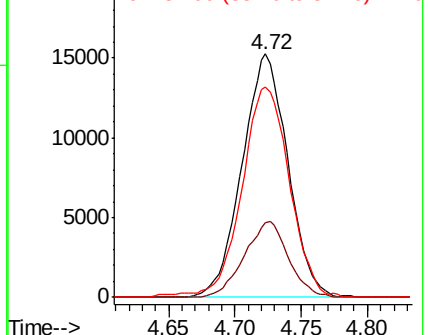
56 100

69 30.0 24.5 36.7

84 88.8 69.0 103.6



Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 6.174 ug/L

RT: 4.66 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VV007125.D

Acq: 22 Aug 2018 16:54

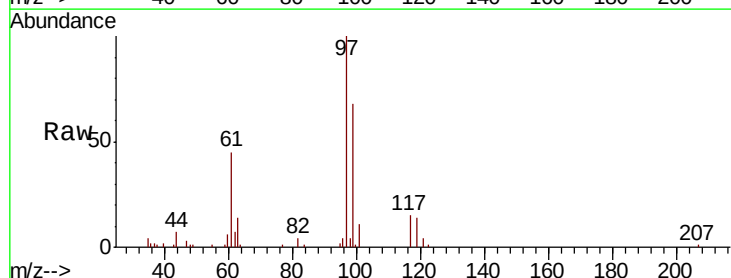
Tgt Ion: 97 Resp: 42445

Ion Ratio Lower Upper

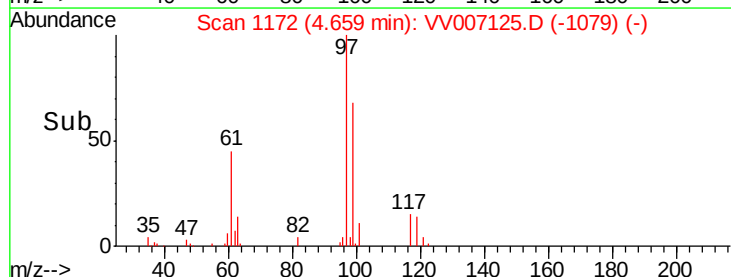
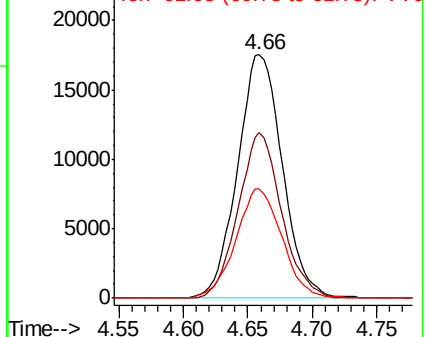
97 100

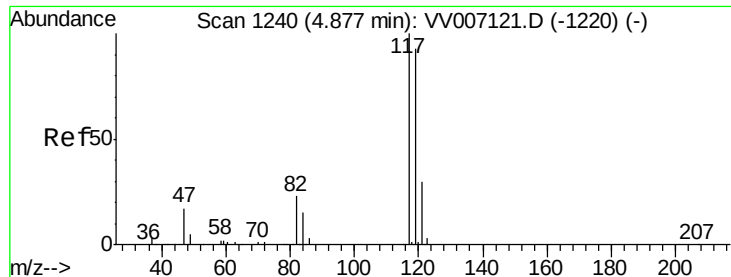
99 65.4 51.3 76.9

61 46.0 34.8 52.2



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 5.820 ug/L

RT: 4.88 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VV007125.D

Acq: 22 Aug 2018 16:54

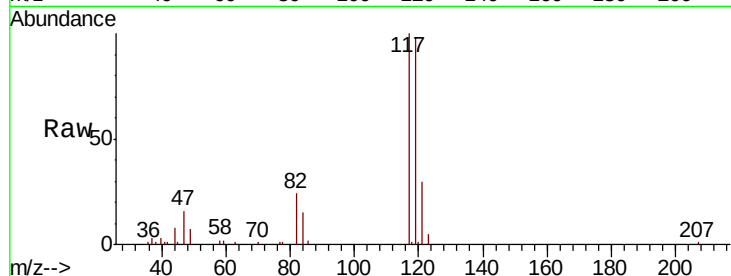
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 34188

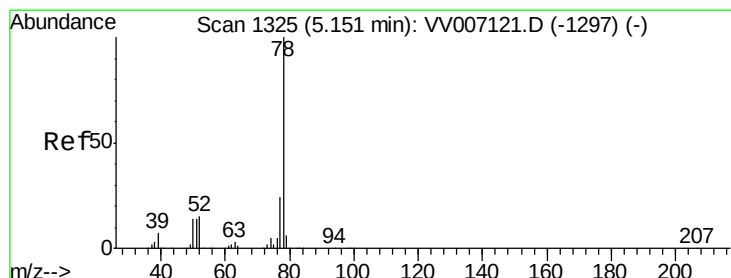
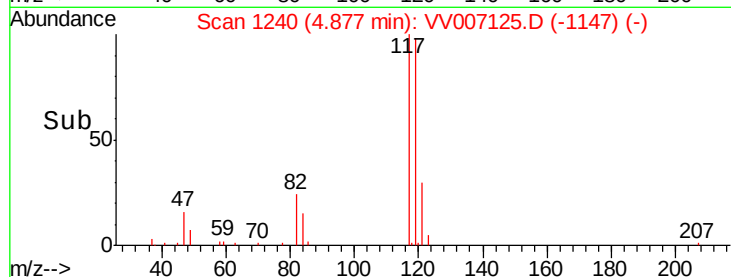
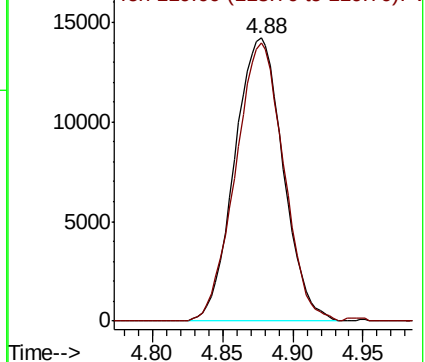
Ion Ratio Lower Upper

117 100

119 97.3 77.4 116.2



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 6.430 ug/L

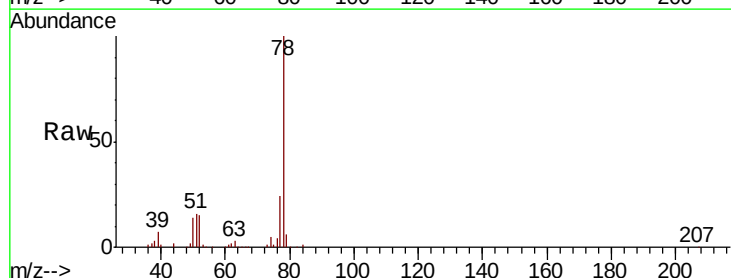
RT: 5.15 min Scan# 1325

Delta R.T. 0.00 min

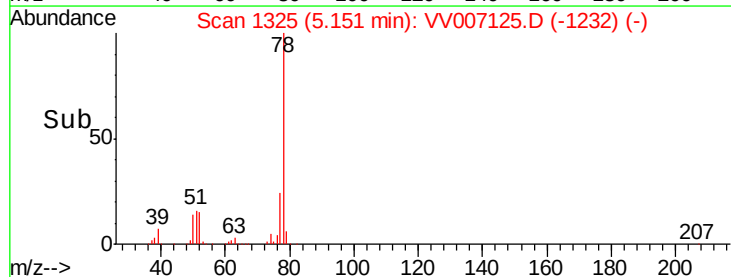
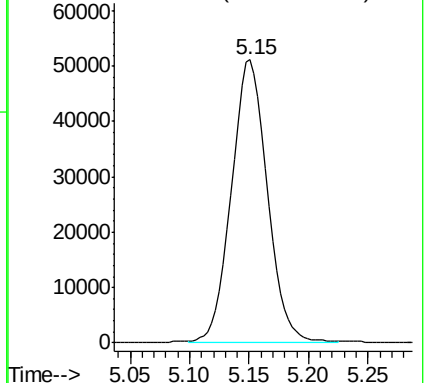
Lab File: VV007125.D

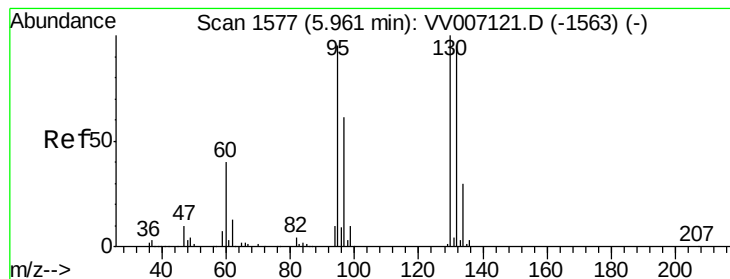
Acq: 22 Aug 2018 16:54

Tgt Ion: 78 Resp: 106873



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 6.345 ug/L

RT: 5.96 min Scan# 1577

Delta R.T. 0.00 min

Lab File: VV007125.D

Acq: 22 Aug 2018 16:54

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 26880

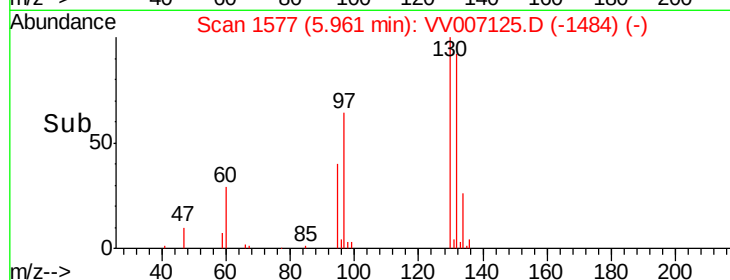
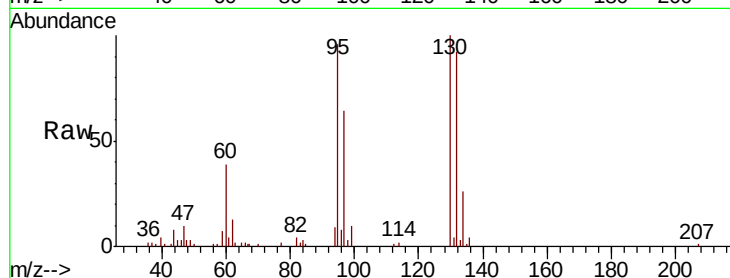
Ion Ratio Lower Upper

95 100

97 67.0 45.1 83.9

132 96.3 69.7 129.4

130 104.3 73.6 136.6



Abundance Ion 95.00 (94.70 to 95.70): VV007125.D (-1484) (-)

Ion 97.00 (96.70 to 97.70): VV007125.D (-1484) (-)

Ion 132.00 (131.70 to 132.70): VV007125.D (-1484) (-)

Ion 130.00 (129.70 to 130.70): VV007125.D (-1484) (-)

Time-->

5.90 5.95 6.00 6.05

15000

10000

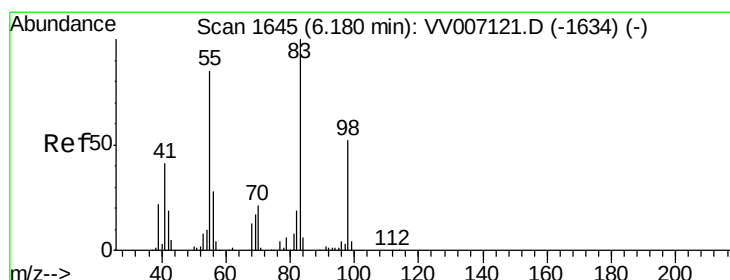
5000

0

5.96

Time-->

5.90 5.95 6.00 6.05



#35

Methylcyclohexane

Concen: 5.739 ug/L

RT: 6.18 min Scan# 1644

Delta R.T. -0.00 min

Lab File: VV007125.D

Acq: 22 Aug 2018 16:54

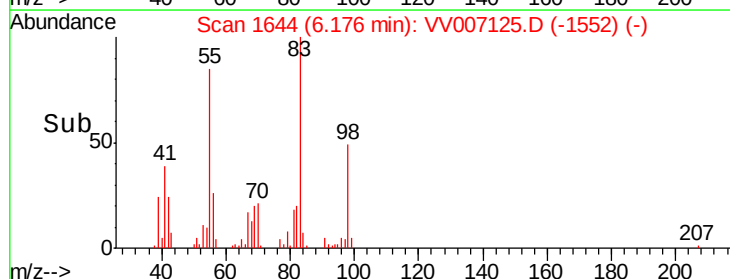
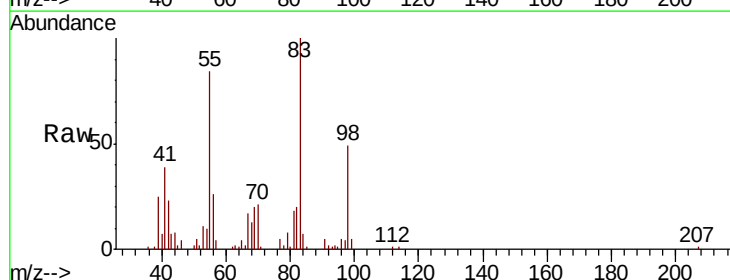
Tgt Ion: 83 Resp: 36876

Ion Ratio Lower Upper

83 100

55 83.1 65.5 98.3

98 49.0 39.2 58.8



Abundance Ion 83.00 (82.70 to 83.70): VV007125.D (-1552) (-)

Ion 55.00 (54.70 to 55.70): VV007125.D (-1552) (-)

Ion 98.00 (97.70 to 98.70): VV007125.D (-1552) (-)

Time-->

6.10 6.15 6.20 6.25

20000

15000

10000

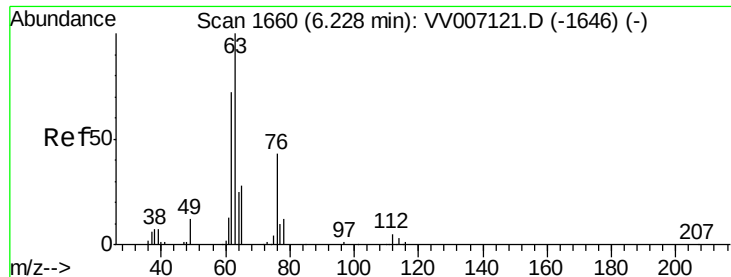
5000

0

6.18

Time-->

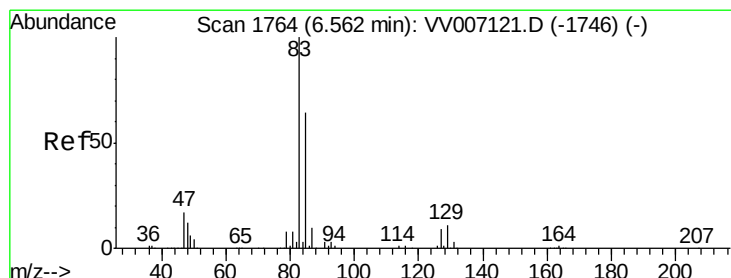
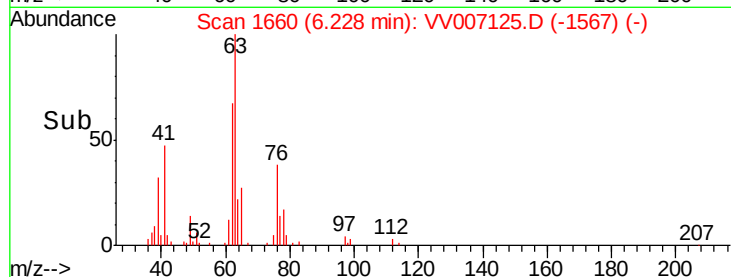
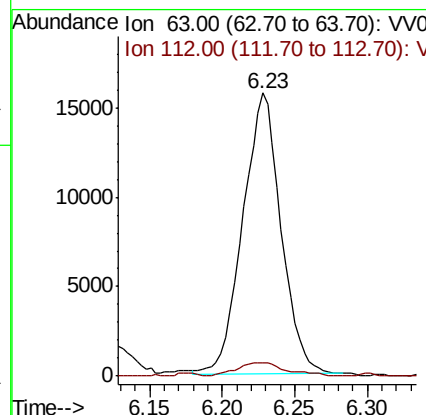
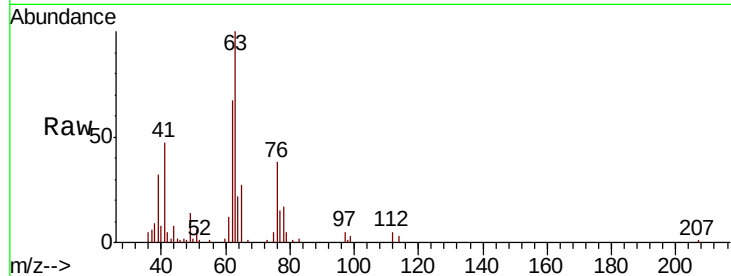
6.10 6.15 6.20 6.25



#37
 1,2-Dichloropropane
 Concen: 6.363 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VV007125.D
 Acq: 22 Aug 2018 16:54

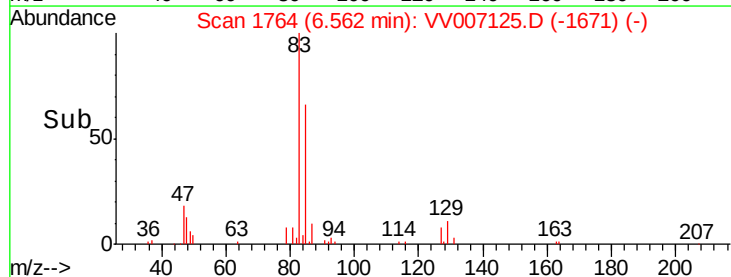
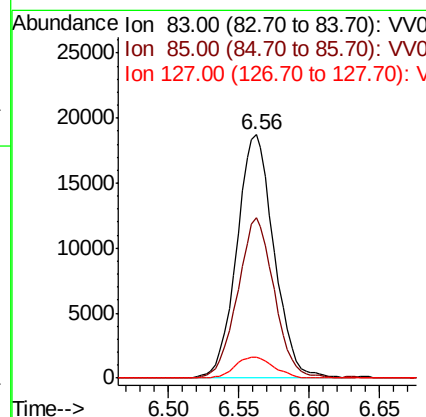
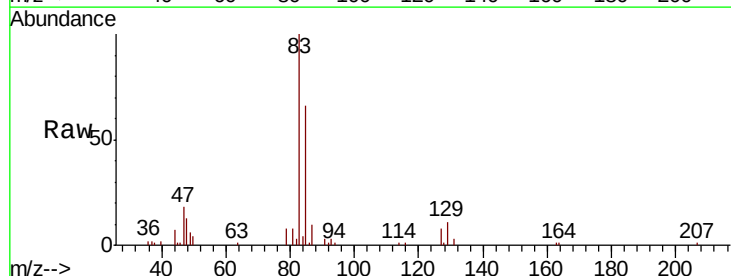
Instrument :
 MSVOA_V
 ClientSampleId :

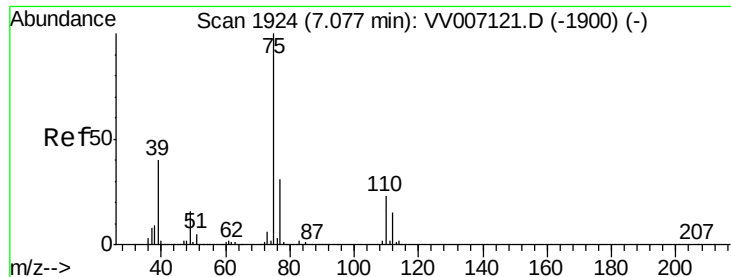
Tot Ion: 63 Resp: 28684
 Ion Ratio Lower Upper
 63 100
 112 5.5 4.0 6.0



#38
 Bromodichloromethane
 Concen: 6.046 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VV007125.D
 Acq: 22 Aug 2018 16:54

Tgt Ion: 83 Resp: 34611
 Ion Ratio Lower Upper
 83 100
 85 66.0 44.9 83.3
 127 8.4 7.0 10.4

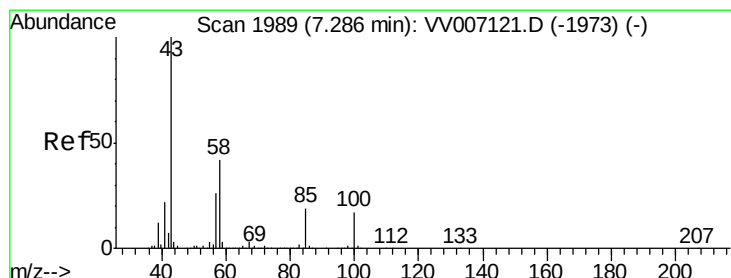
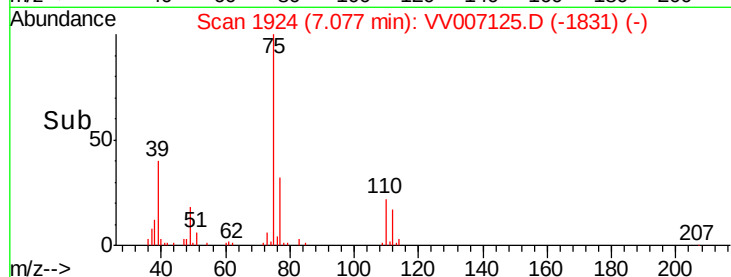
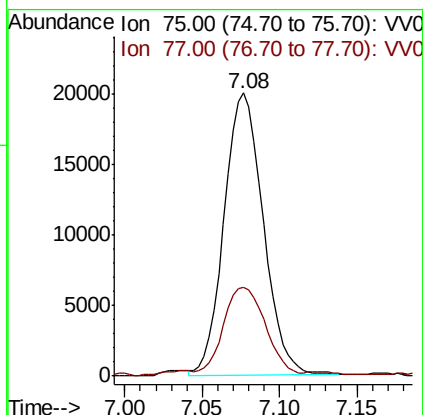
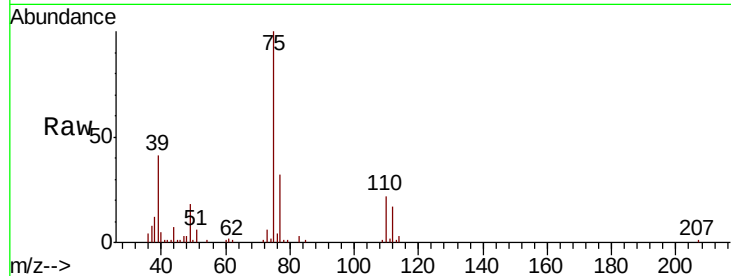




#39
 cis-1,3-Dichloropropene
 Concen: 5.494 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV007125.D
 Acq: 22 Aug 2018 16:54

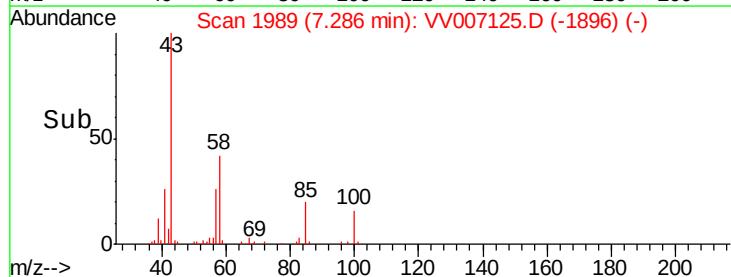
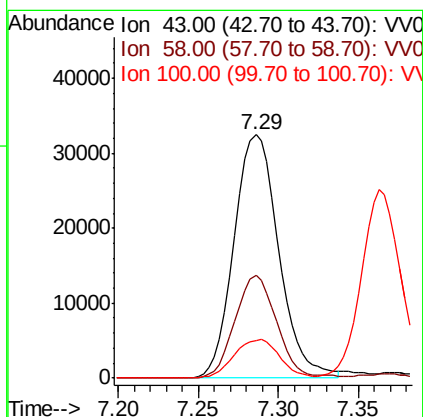
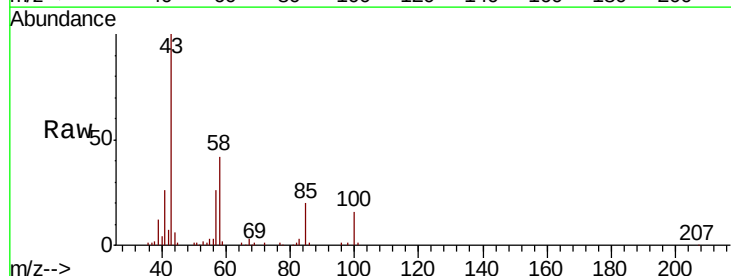
Instrument :
 MSVOA_V
 ClientSampleId :

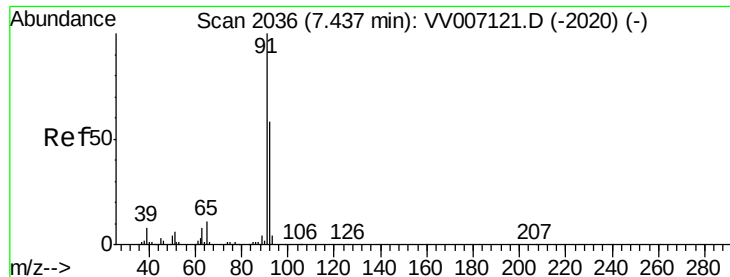
Tot Ion: 75 Resp: 35088
 Ion Ratio Lower Upper
 75 100
 77 31.6 21.8 40.4



#40
 4-Methyl-2-pentanone
 Concen: 9.537 ug/L
 RT: 7.29 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VV007125.D
 Acq: 22 Aug 2018 16:54

Tgt Ion: 43 Resp: 62145
 Ion Ratio Lower Upper
 43 100
 58 39.4 33.4 50.0
 100 16.2 13.1 19.7





#42

Toluene

Concen: 5.309 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV007125.D

Acq: 22 Aug 2018 16:54

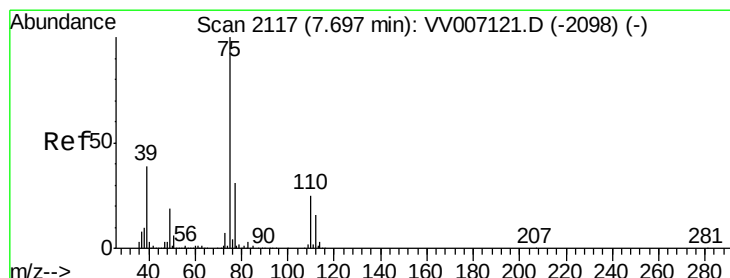
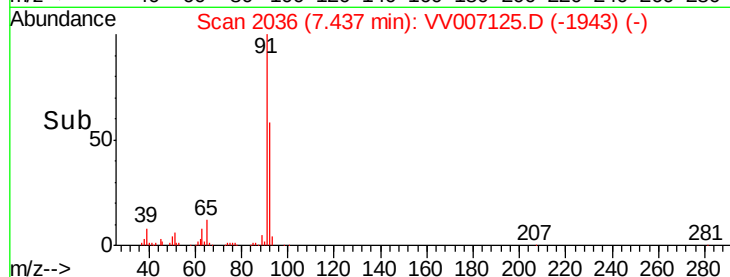
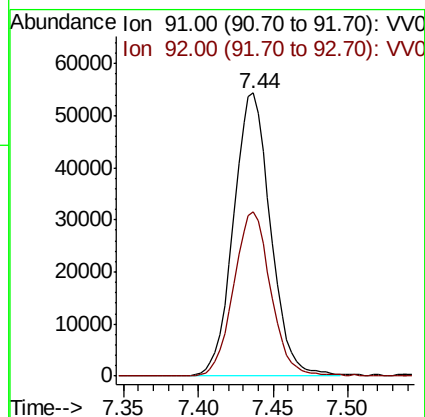
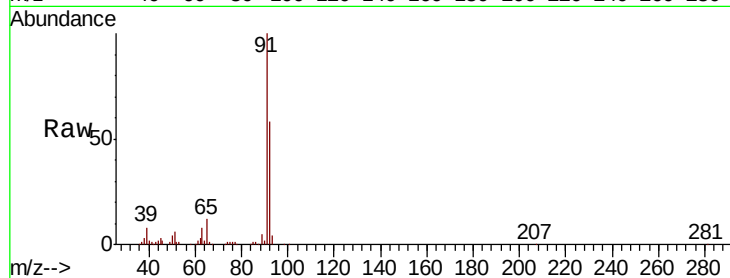
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 93687

Ion Ratio Lower Upper

91 100

92 58.1 40.9 75.9



#44

trans-1,3-Dichloropropene

Concen: 5.327 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV007125.D

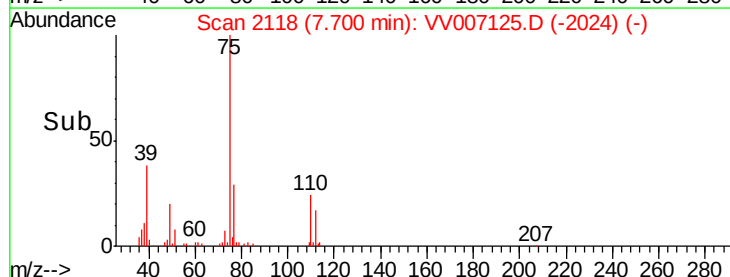
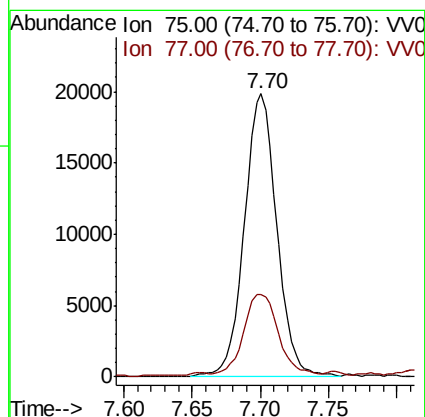
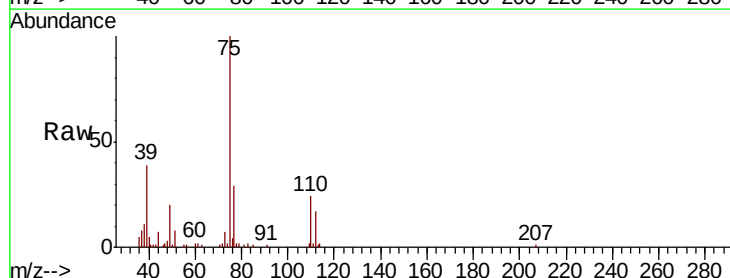
Acq: 22 Aug 2018 16:54

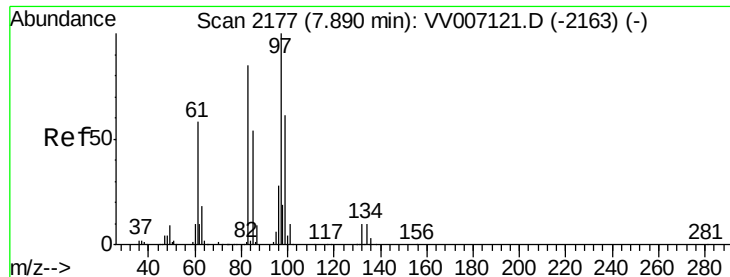
Tgt Ion: 75 Resp: 32836

Ion Ratio Lower Upper

75 100

77 29.3 22.0 41.0





#45

1,1,2-Trichloroethane

Concen: 6.329 ug/L

RT: 7.89 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VV007125.D

Acq: 22 Aug 2018 16:54

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 97 Resp: 27185

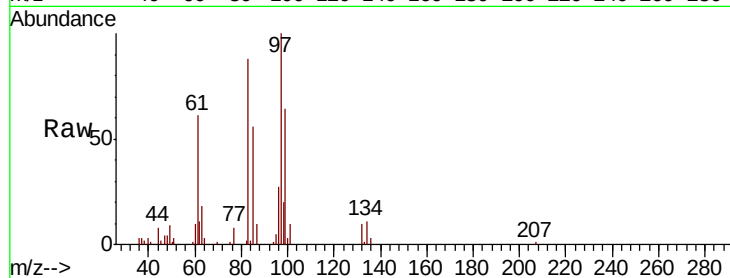
Ion Ratio Lower Upper

97 100

99 64.3 42.8 79.4

83 88.0 59.6 110.8

85 56.4 37.6 69.8

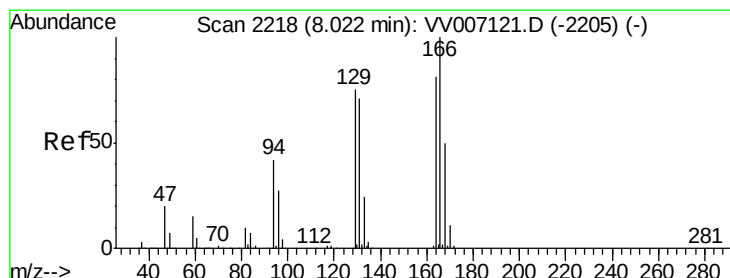
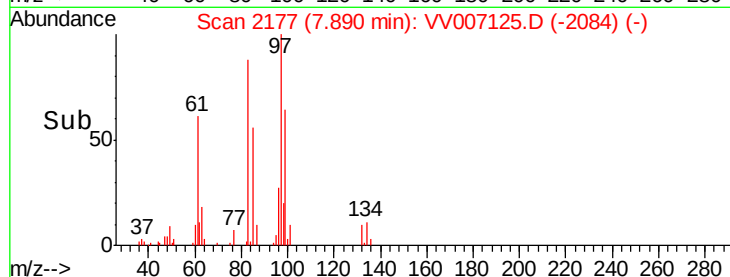
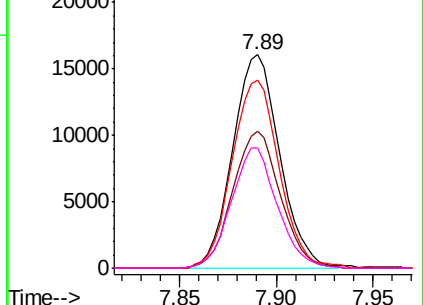


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 6.237 ug/L

RT: 8.02 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VV007125.D

Acq: 22 Aug 2018 16:54

Tgt Ion: 164 Resp: 20715

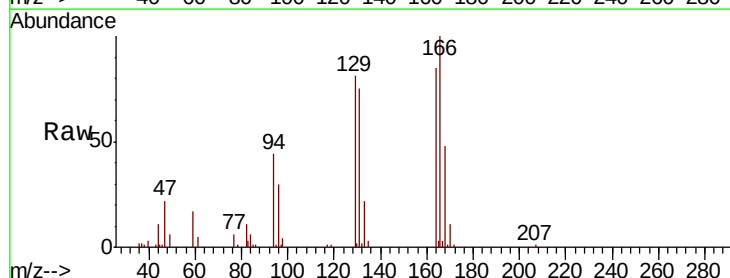
Ion Ratio Lower Upper

164 100

129 95.1 64.5 119.9

131 88.5 61.7 114.7

166 118.0 86.5 160.6

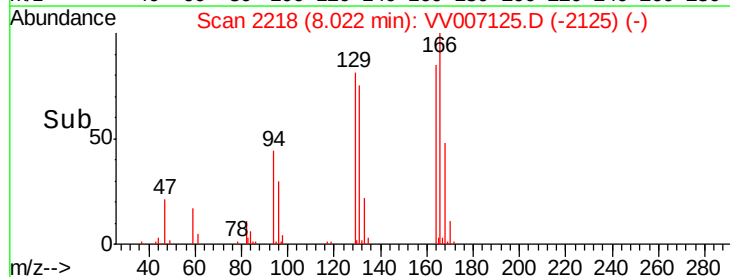
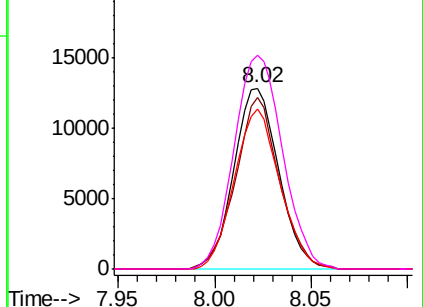


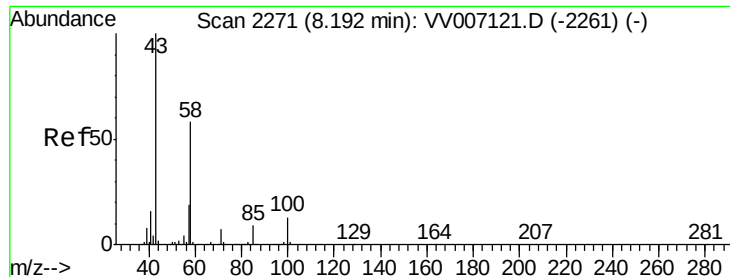
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

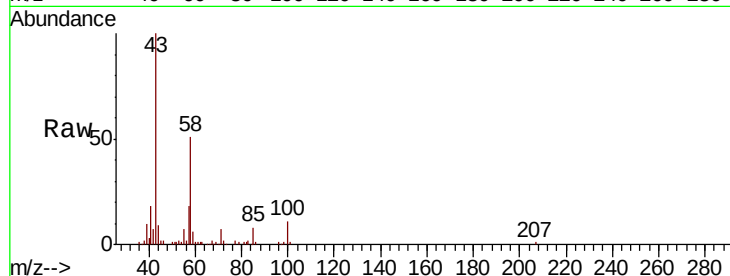




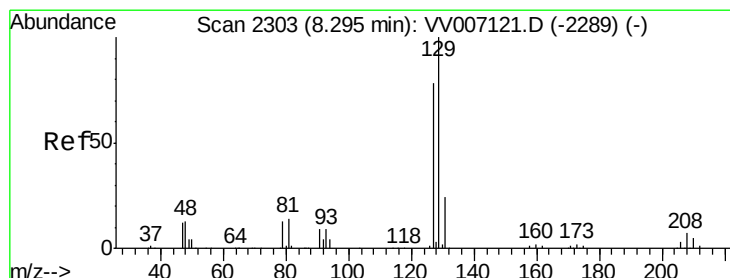
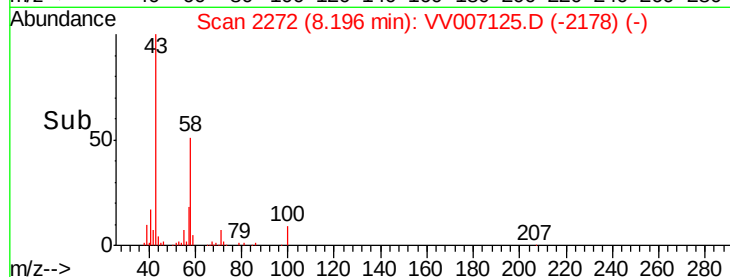
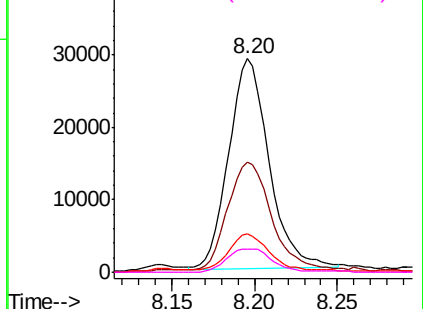
#48
2-Hexanone
Concen: 9.136 ug/L
RT: 8.20 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV007125.D
Acq: 22 Aug 2018 16:54

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 49196
Ion Ratio Lower Upper
43 100
58 58.4 47.9 71.9
57 17.3 15.8 23.8
100 12.4 10.6 16.0

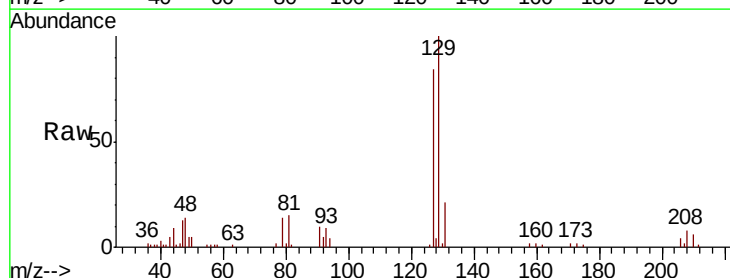


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

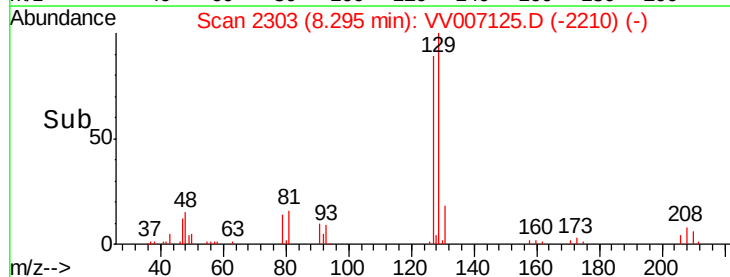
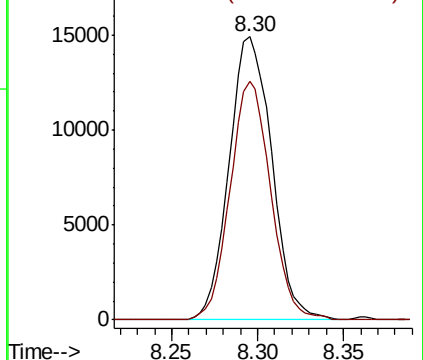


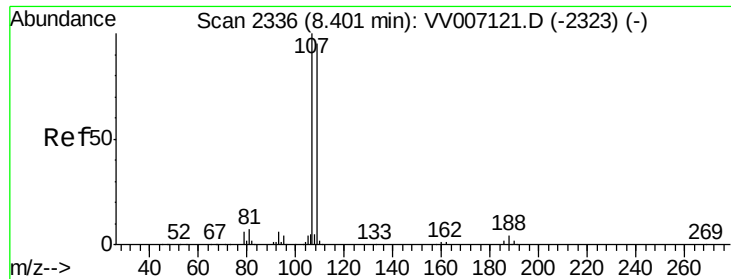
#49
Dibromochloromethane
Concen: 5.842 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VV007125.D
Acq: 22 Aug 2018 16:54

Tgt Ion: 129 Resp: 25724
Ion Ratio Lower Upper
129 100
127 84.3 54.3 100.8



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

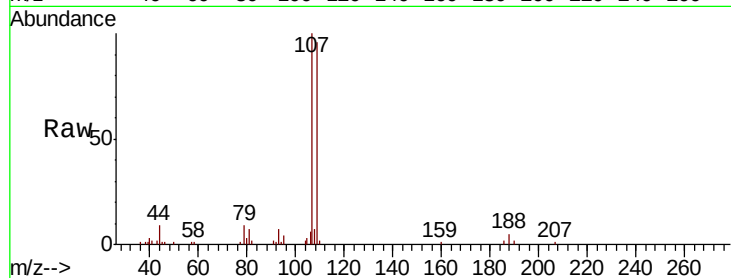




#50
 1,2-Dibromoethane
 Concen: 5.842 ug/L
 RT: 8.40 min Scan# 2336
 Delta R.T. 0.00 min
 Lab File: VV007125.D
 Acq: 22 Aug 2018 16:54

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.9	66.5	123.5
188	4.8	3.3	4.9

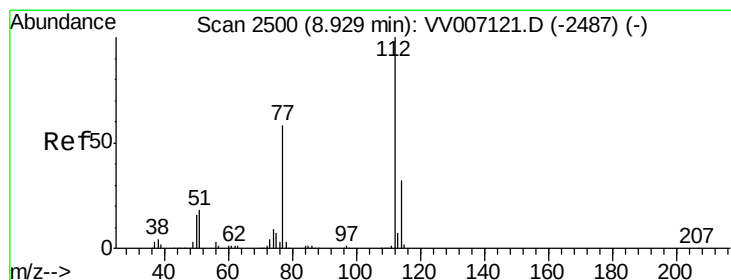
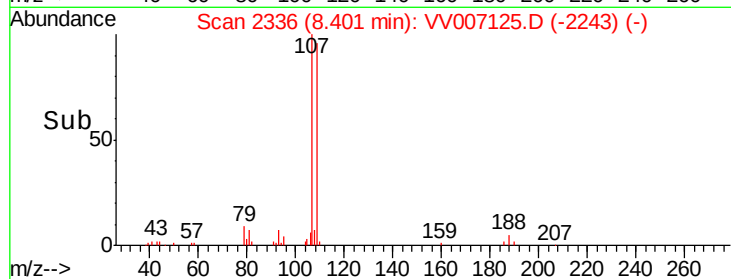
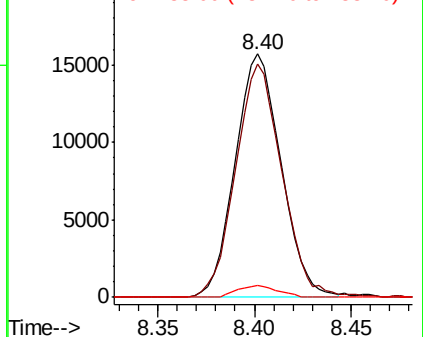


Abundance

Ion 107.00 (106.70 to 107.70): V

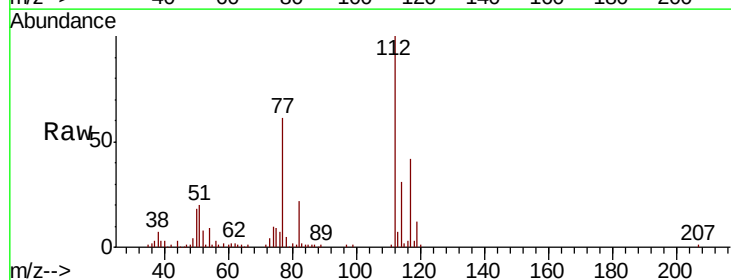
Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51
 Chlorobenzene
 Concen: 5.731 ug/L
 RT: 8.93 min Scan# 2500
 Delta R.T. 0.00 min
 Lab File: VV007125.D
 Acq: 22 Aug 2018 16:54

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.1	22.3	41.3
77	60.6	46.6	70.0

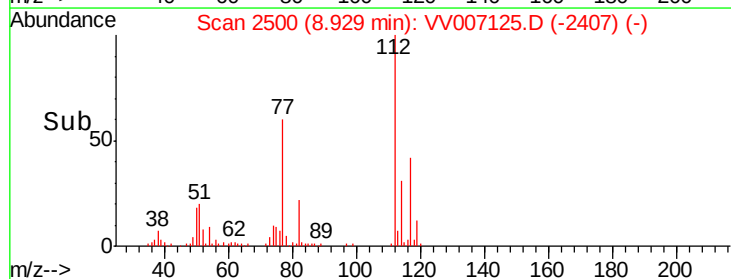
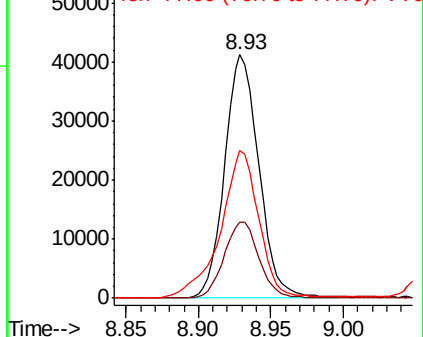


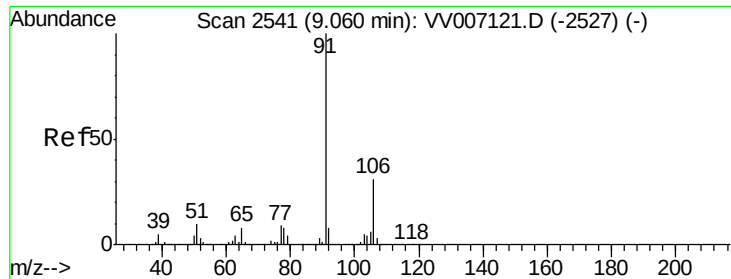
Abundance

Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0

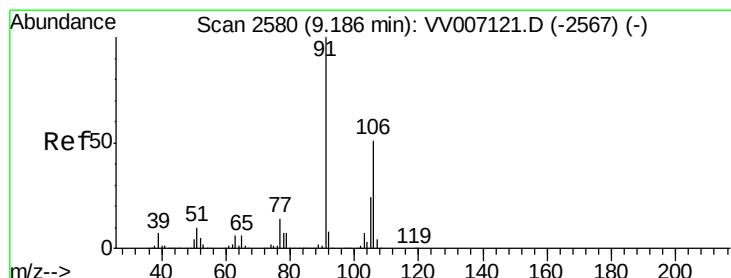
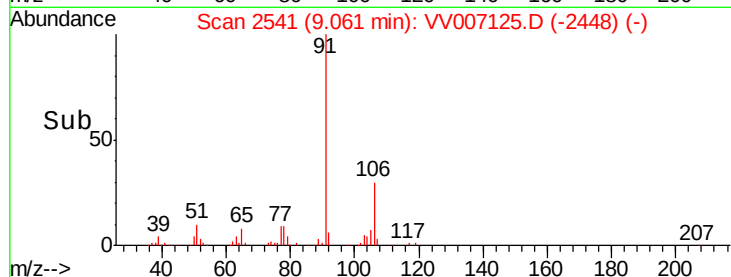
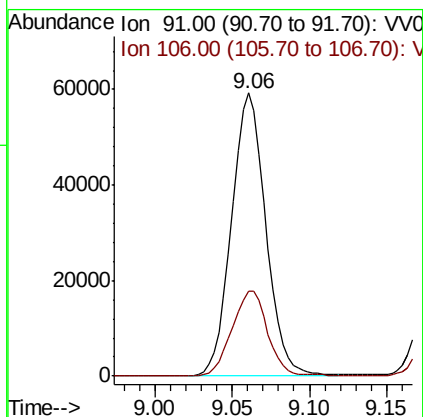
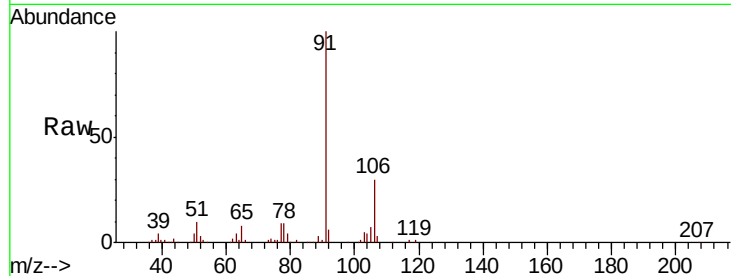




#52
Ethylbenzene
Concen: 4.676 ug/L
RT: 9.06 min Scan# 2541
Delta R.T. 0.00 min
Lab File: VV007125.D
Acq: 22 Aug 2018 16:54

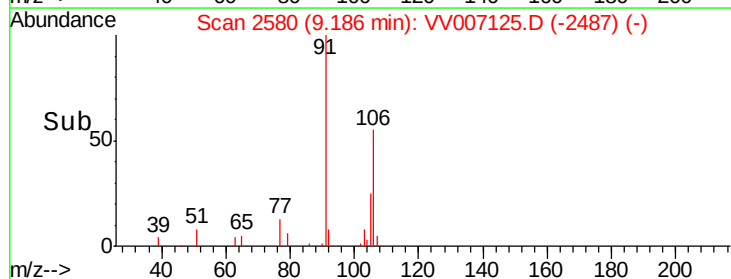
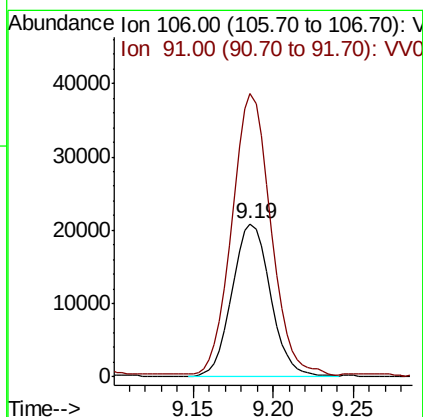
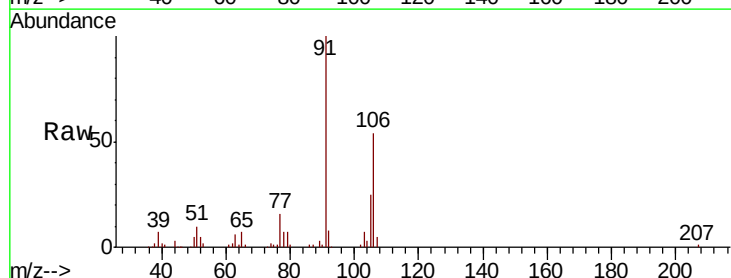
Instrument :
MSVOA_V
ClientSampleId :

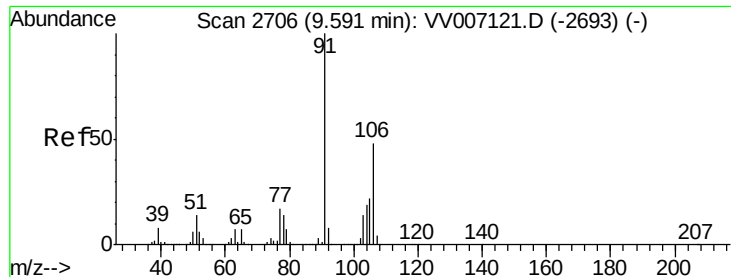
Tot Ion: 91 Resp: 91184
Ion Ratio Lower Upper
91 100
106 29.9 21.4 39.8



#53
m,p-Xylene
Concen: 4.785 ug/L
RT: 9.19 min Scan# 2580
Delta R.T. 0.00 min
Lab File: VV007125.D
Acq: 22 Aug 2018 16:54

Tgt Ion: 106 Resp: 34349
Ion Ratio Lower Upper
106 100
91 184.7 138.7 257.5





#54

o-xylene

Concen: 4.547 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VV007125.D

Acq: 22 Aug 2018 16:54

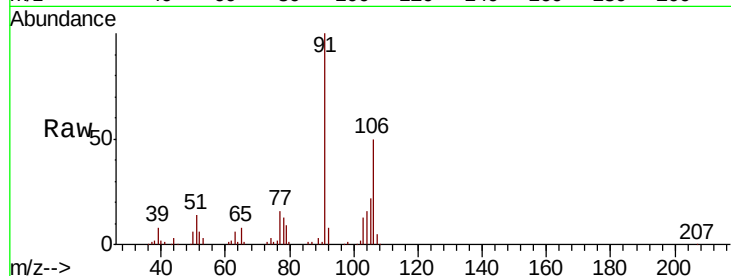
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 32757

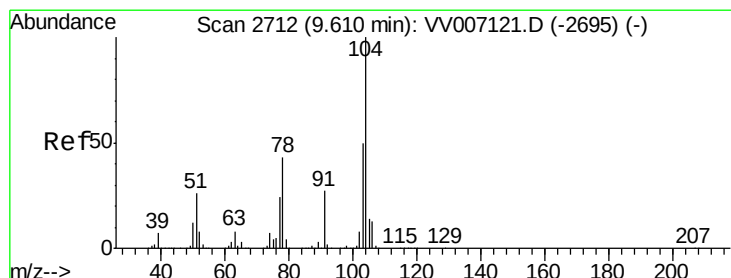
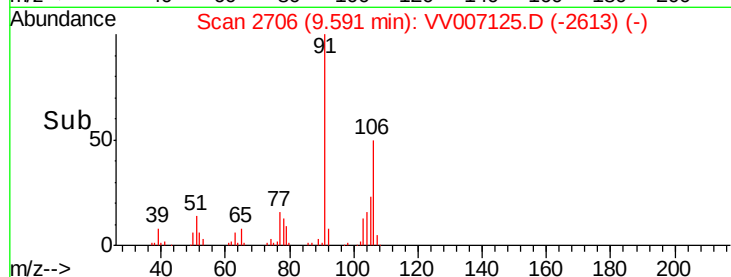
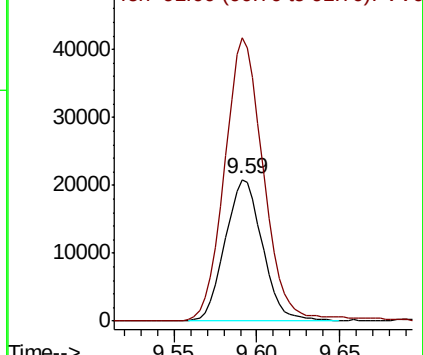
Ion Ratio Lower Upper

106 100

91 200.3 146.3 271.7



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 4.179 ug/L

RT: 9.61 min Scan# 2711

Delta R.T. -0.00 min

Lab File: VV007125.D

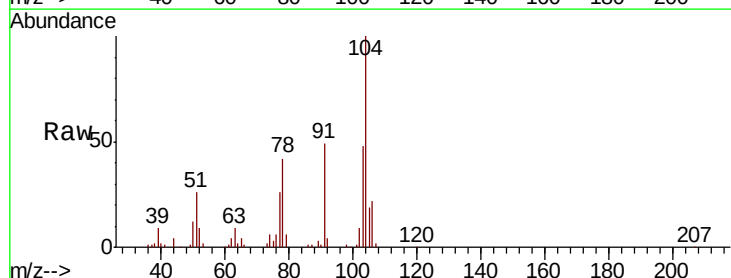
Acq: 22 Aug 2018 16:54

Tgt Ion:104 Resp: 51918

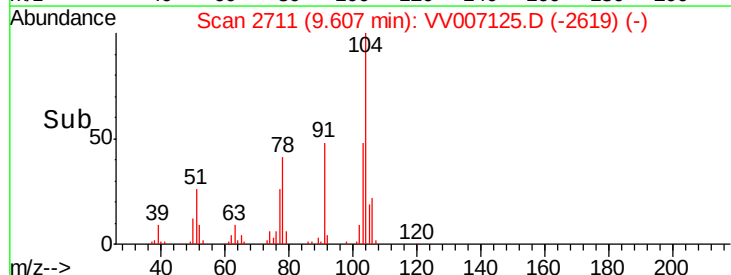
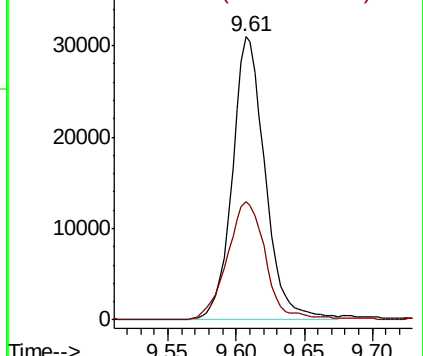
Ion Ratio Lower Upper

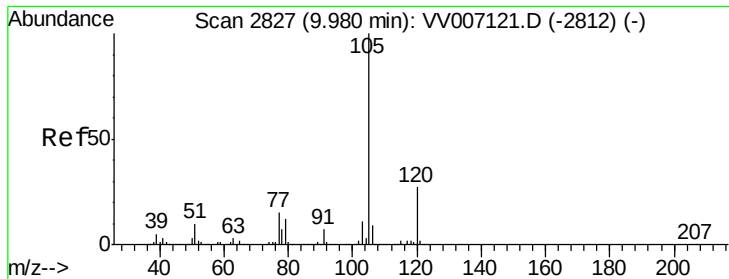
104 100

78 41.8 30.0 55.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 4.006 ug/L

RT: 9.98 min Scan# 2827

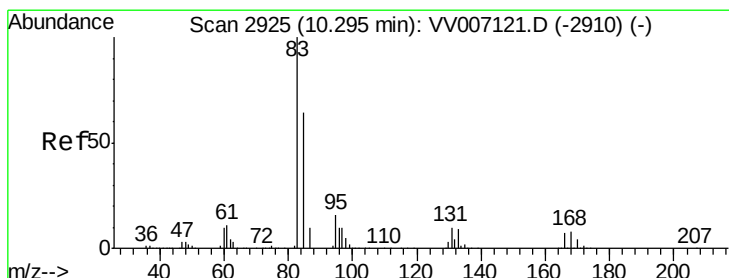
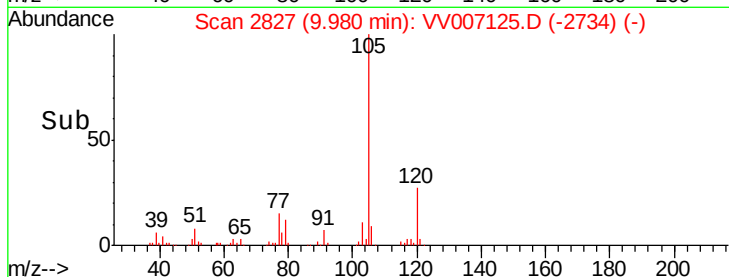
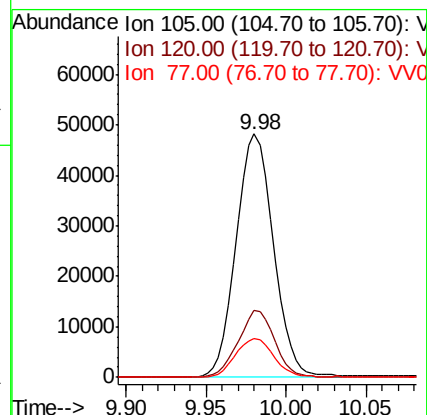
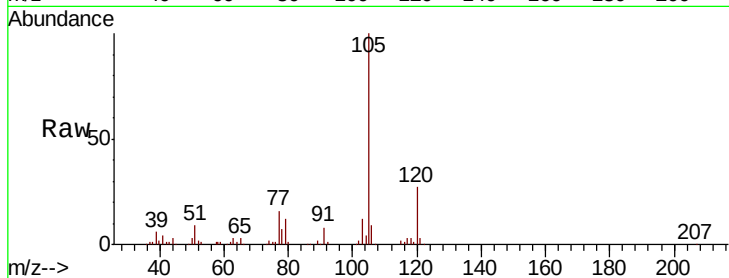
Delta R.T. 0.00 min

Lab File: VV007125.D

Acq: 22 Aug 2018 16:54

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	105	Resp:	76956
Ion	Ratio	Lower	Upper
105	100		
120	26.7	21.0	31.4
77	16.2	12.4	18.6



#58

1,1,2,2-Tetrachloroethane

Concen: 6.140 ug/L

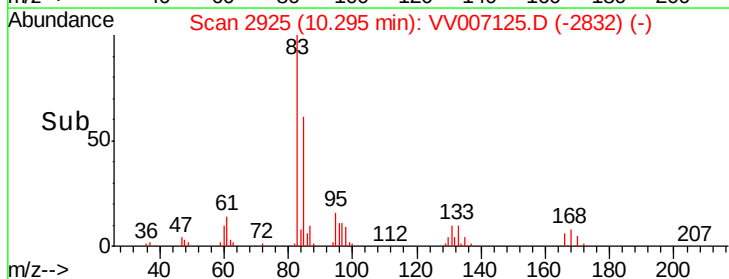
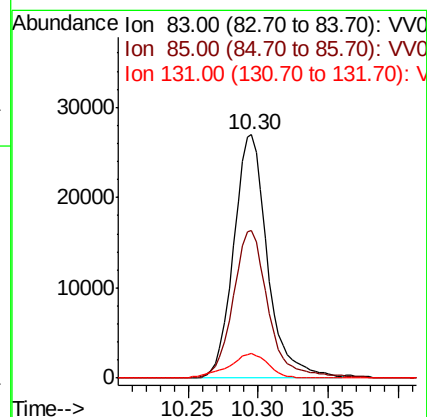
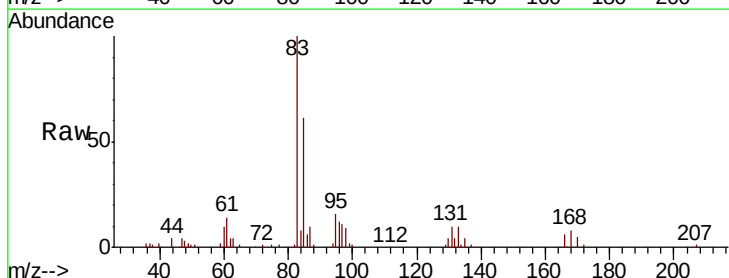
RT: 10.30 min Scan# 2925

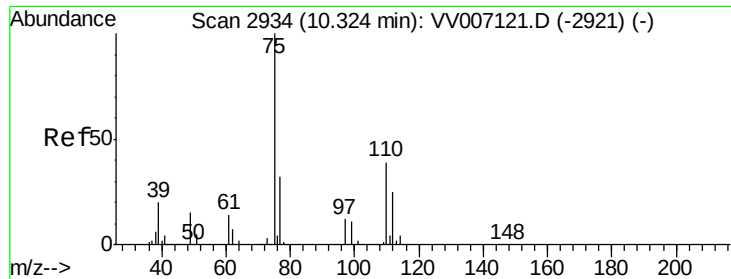
Delta R.T. 0.00 min

Lab File: VV007125.D

Acq: 22 Aug 2018 16:54

Tgt Ion:	83	Resp:	45339
Ion	Ratio	Lower	Upper
83	100		
85	60.7	45.2	84.0
131	9.9	7.8	11.8

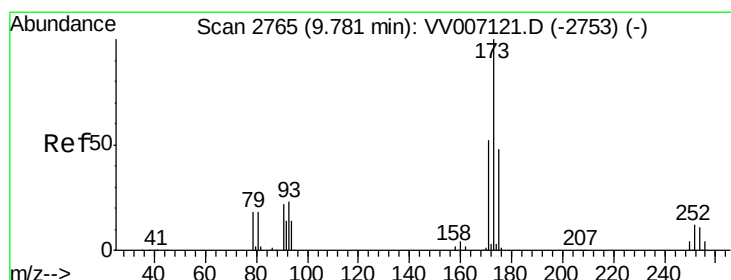
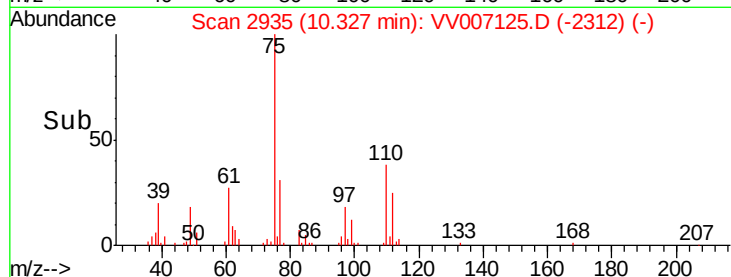
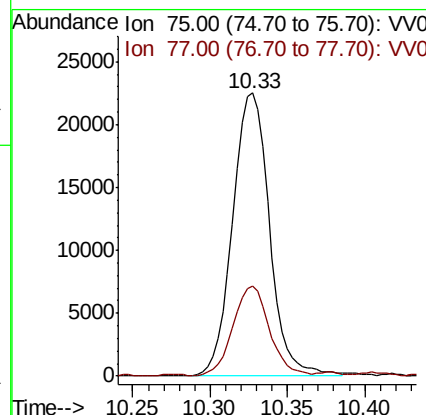
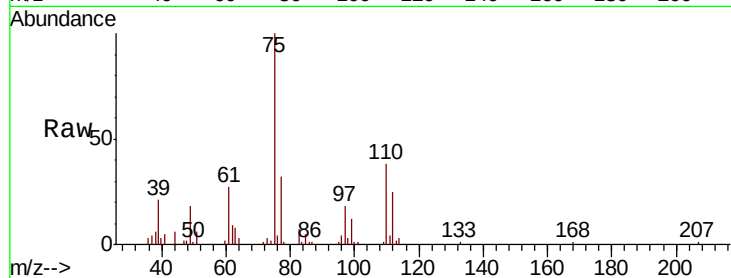




#59
 1,2,3-Trichloropropane
 Concen: 6.247 ug/L
 RT: 10.33 min Scan# 2935
 Delta R.T. 0.00 min
 Lab File: VV007125.D
 Acq: 22 Aug 2018 16:54

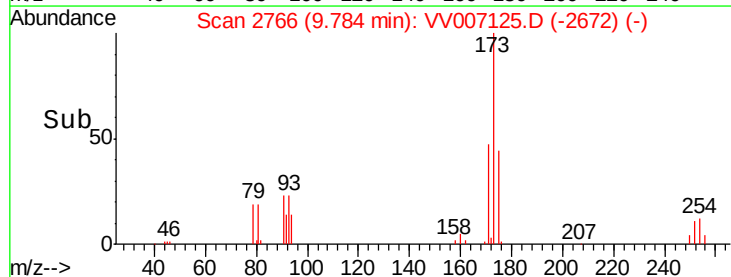
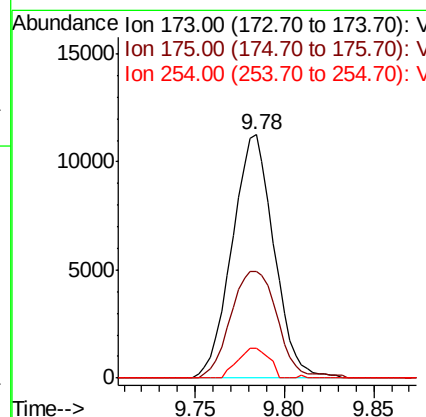
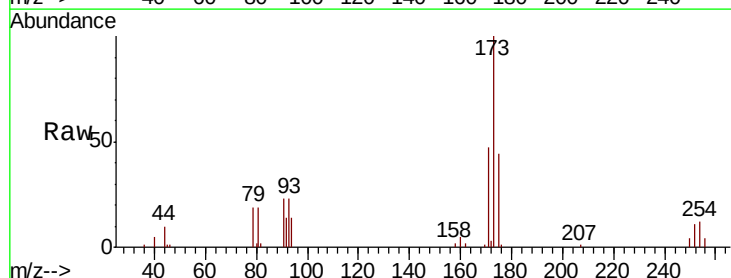
Instrument :
 MSVOA_V
 ClientSampled :

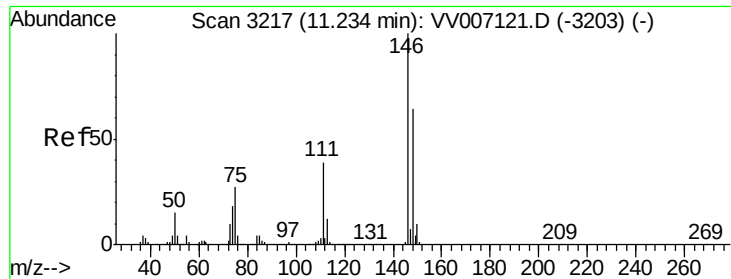
Tot Ion: 75 Resp: 37326
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.8 38.8



#61
 Bromoform
 Concen: 7.357 ug/L
 RT: 9.78 min Scan# 2766
 Delta R.T. 0.00 min
 Lab File: VV007125.D
 Acq: 22 Aug 2018 16:54

Tgt Ion: 173 Resp: 18374
 Ion Ratio Lower Upper
 173 100
 175 48.2 37.9 56.9
 254 9.1 9.2 13.8#

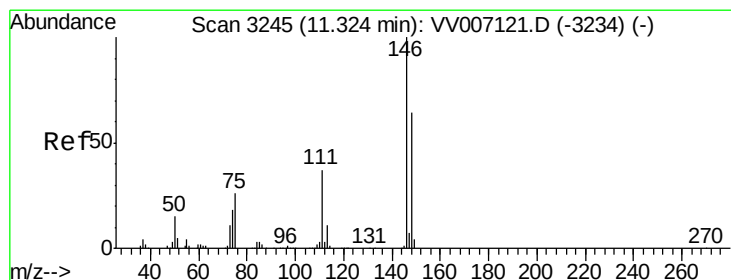
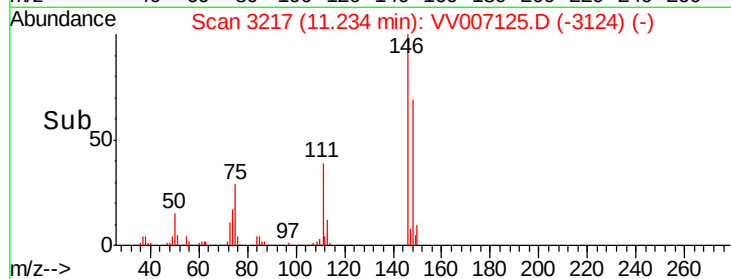
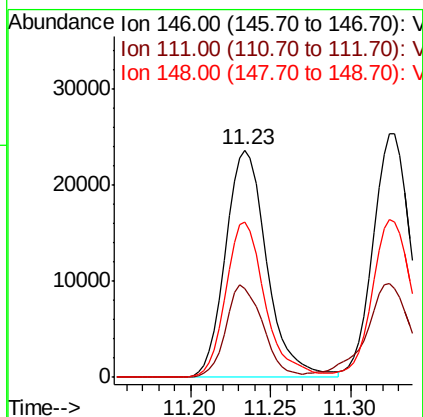
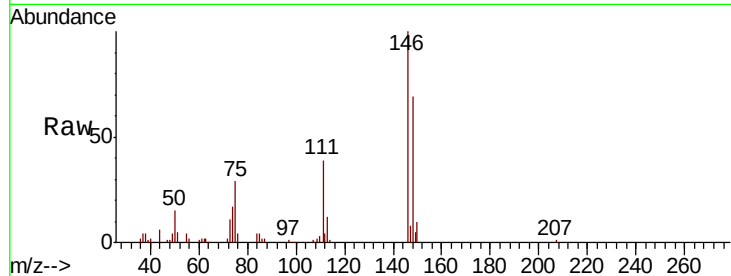




#62
 1,3-Dichlorobenzene
 Concen: 5.761 ug/L
 RT: 11.23 min Scan# 3217
 Delta R.T. 0.00 min
 Lab File: VV007125.D
 Acq: 22 Aug 2018 16:54

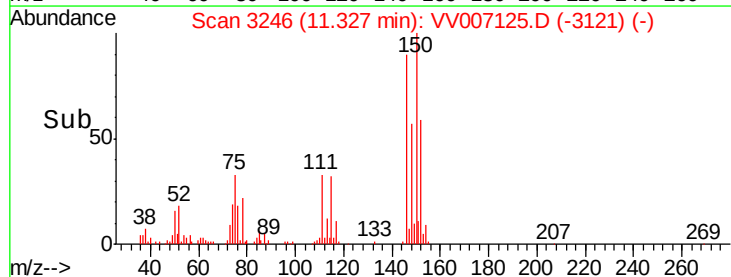
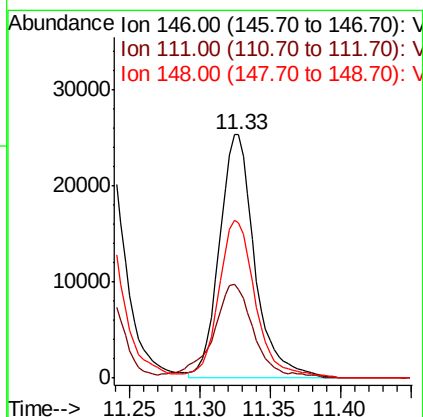
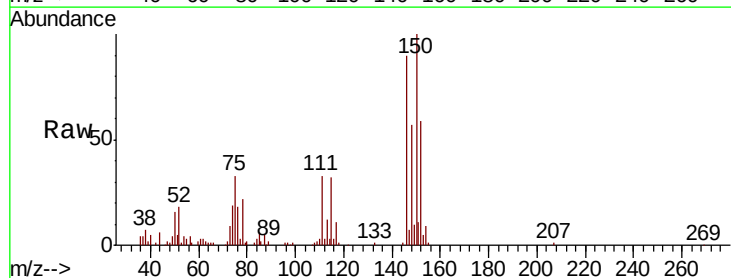
Instrument :
 MSVOA_V
 ClientSampleId :

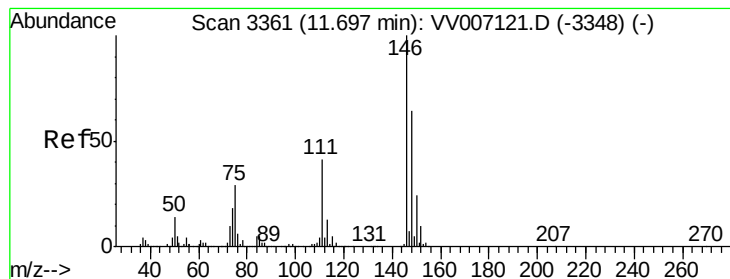
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	27.1	50.3
148	68.5	44.5	82.7



#63
 1,4-Dichlorobenzene
 Concen: 5.683 ug/L
 RT: 11.33 min Scan# 3246
 Delta R.T. 0.00 min
 Lab File: VV007125.D
 Acq: 22 Aug 2018 16:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	26.2	48.6
148	63.9	44.7	82.9





#65

1,2-Dichlorobenzene

Concen: 5.791 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. 0.00 min

Lab File: VV007125.D

Acq: 22 Aug 2018 16:54

Instrument :

MSVOA_V

ClientSampleId :

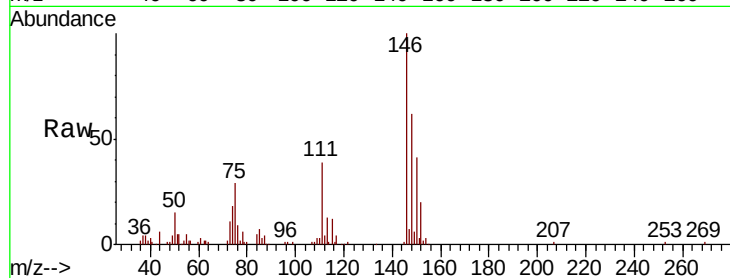
Tot Ion:146 Resp: 45561

Ion Ratio Lower Upper

146 100

111 38.6 32.5 48.7

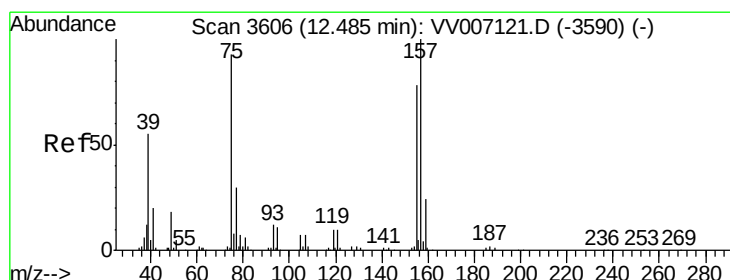
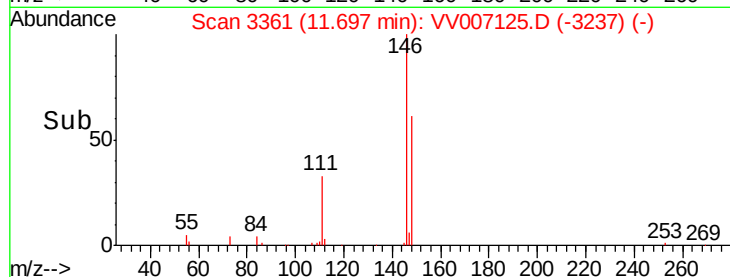
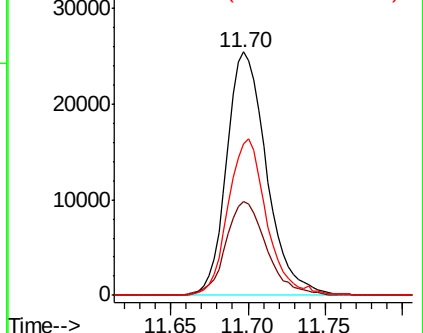
148 62.3 50.8 76.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.095 ug/L

RT: 12.49 min Scan# 3607

Delta R.T. 0.00 min

Lab File: VV007125.D

Acq: 22 Aug 2018 16:54

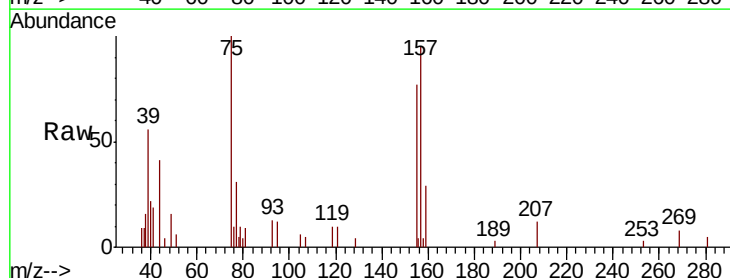
Tgt Ion: 75 Resp: 6305

Ion Ratio Lower Upper

75 100

155 77.4 66.8 100.2

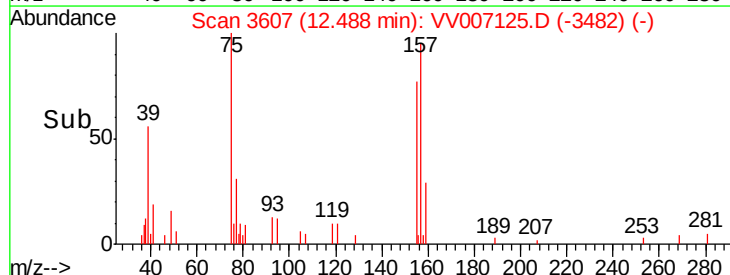
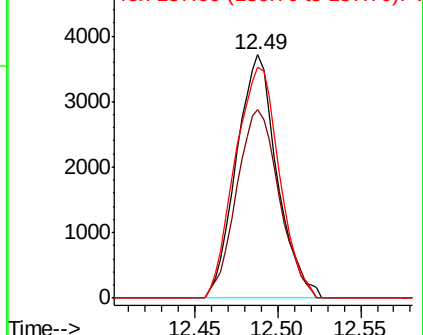
157 94.8 85.8 128.8

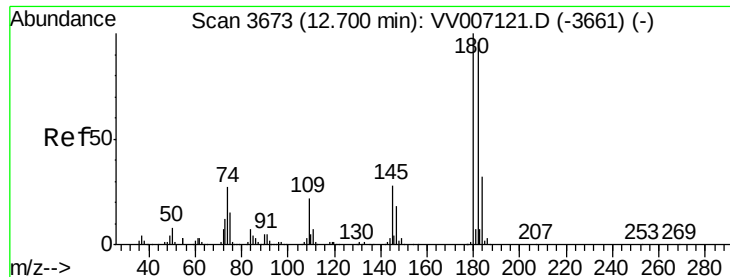


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

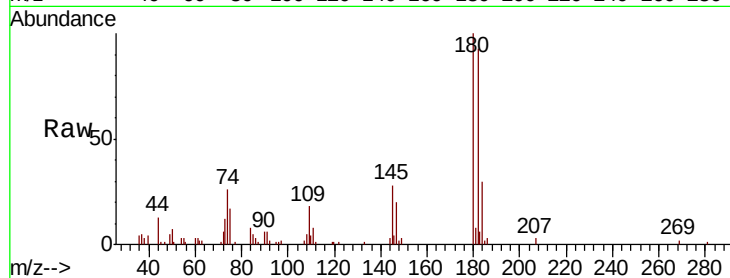




#67
 1,3,5-Trichlorobenzene
 Concen: 4.918 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV007125.D
 Acq: 22 Aug 2018 16:54

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	76.4	114.6
184	28.5	24.6	37.0
145	27.9	22.6	33.8



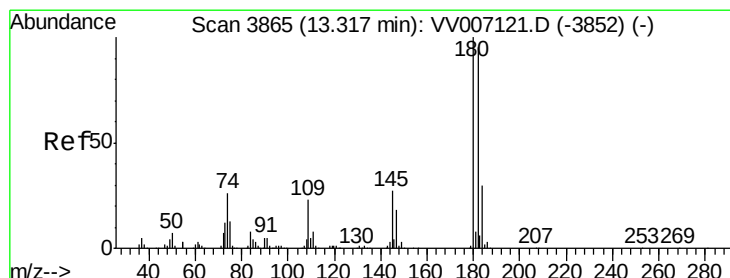
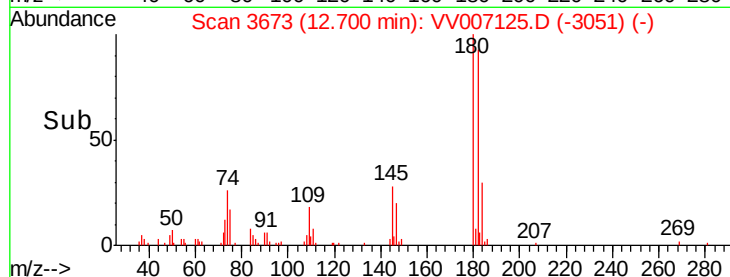
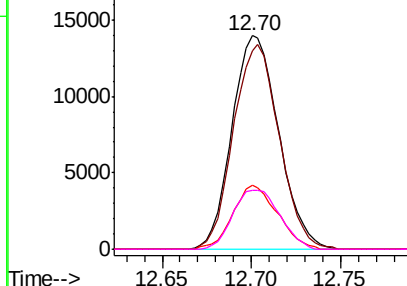
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

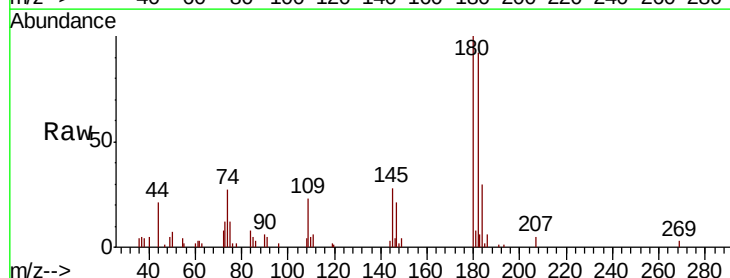
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 3.317 ug/L
 RT: 13.32 min Scan# 3866
 Delta R.T. 0.00 min
 Lab File: VV007125.D
 Acq: 22 Aug 2018 16:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	77.0	115.6
145	27.0	22.7	34.1

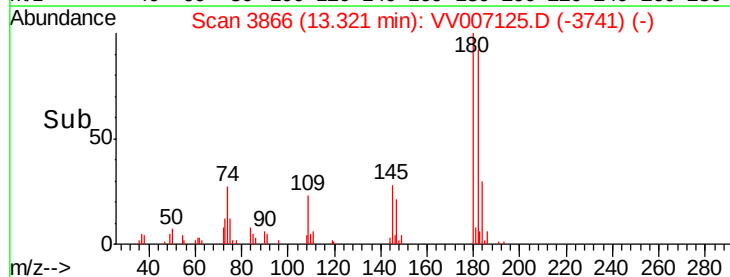
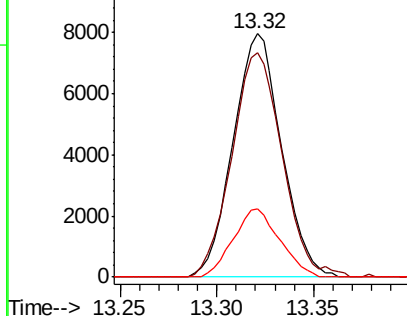


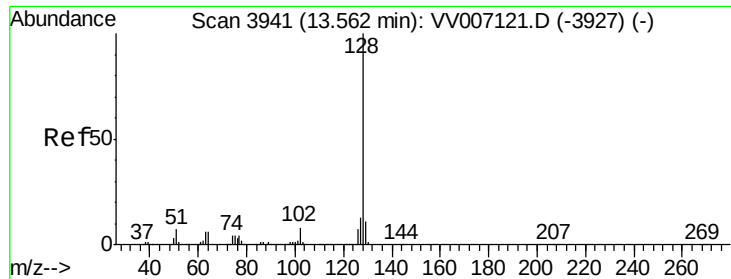
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 2.701 ug/L

RT: 13.56 min Scan# 3941

Delta R.T. 0.00 min

Lab File: VV007125.D

Acq: 22 Aug 2018 16:54

Instrument :

MSVOA_V

ClientSampleId :

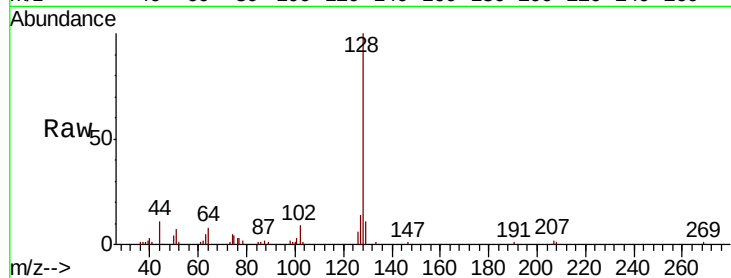
Tot Ion:128 Resp: 34546

Ion Ratio Lower Upper

128 100

127 12.2 10.5 15.7

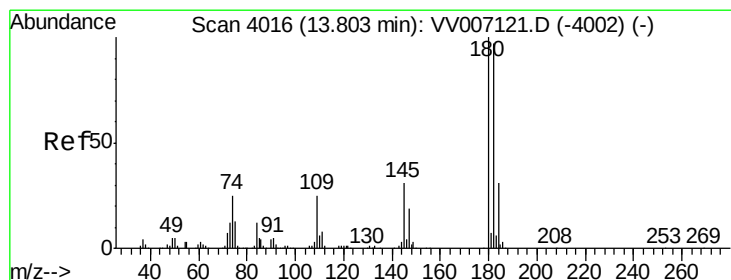
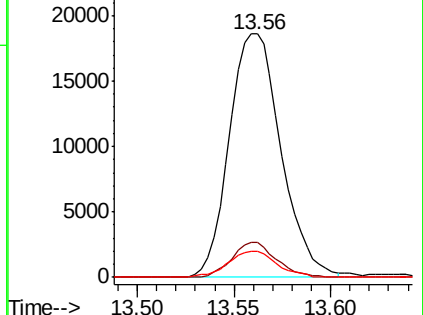
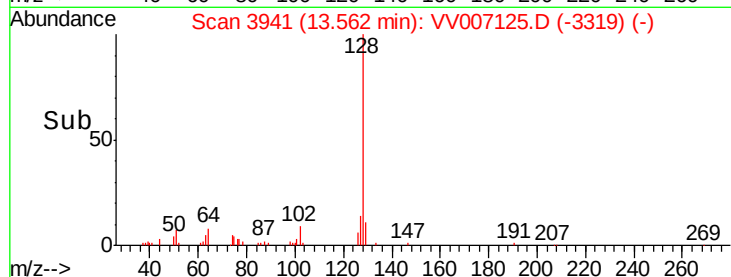
129 10.2 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 3.228 ug/L

RT: 13.80 min Scan# 4016

Delta R.T. 0.00 min

Lab File: VV007125.D

Acq: 22 Aug 2018 16:54

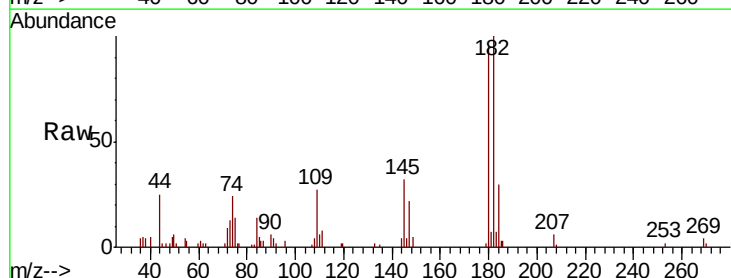
Tgt Ion:180 Resp: 14412

Ion Ratio Lower Upper

180 100

182 96.8 76.2 114.2

145 32.9 24.2 36.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

